Why I chose this project ¿¡

Dubai Metro is one of the newest metro systems in the world & is already proving to be one of the lifelines of a truly sprawling commercial city not to mention the glitz and glamour attached to it thus making it a must-see for all tourists. As the Dubai Metro presently covers 47 stations and is slated to be extended even further it is one of the best ways to travel within the city not only for its residents but for tourists as well. The journey commences with buying of a ticket and there are a number of travel cards depending on how much you will travel.

One of the main reasons why I chose this project was because I wanted to challenge myself, since I had to learn extra concepts which I have put into use in this project.

Another reason, was to help loads of tourist coming to Dubai to plan their journey. This saves their time to figure out the information required for their journey that is cost of each journey, next train's time, number of stations and interchange of stations (when required) .

Manual v/s Computer

In the present world, we can't imagine to live without computers, such is our dependence on these electronic equipment's. Over these years, they have truly evolved not just as an electrical equipment, but our life partners.

Regarding travel planner, a computer program is far more efficient. Not only does a travel planner program save a lot of time, but saves a lot of work in gathering information from different places, which can be really frustrating at times.

Thus, manual search of information is not only tough, but also is not so smart in the present world.

Thus, it is clearly evident that a computer travel planner management program is way more efficient.

System Requirements & Installation Manual

System Requirements:

- Windows (XP or later)/Mac (OS X or later)/Linux/Unix.
- Intel 64(AMD64/X86-64 binary) or higher.
- 1.86 GHz or more.
- Minimum 4GB Hard Drive Size (Recommended 10GB).
- 30 MB free space on hard drive.
- 2 GB RAM
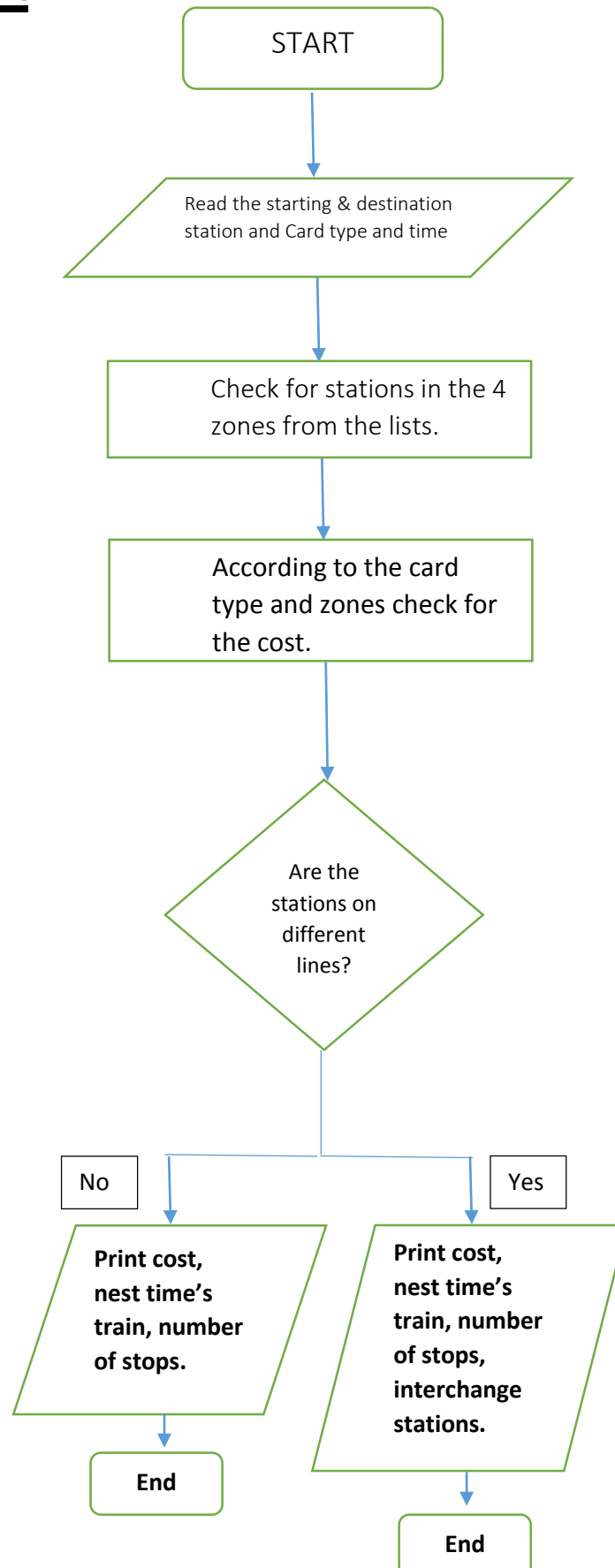- Graphic Card(Memory Clock Rate – 900-5700 MHz & Bandwidth – 80-230 GB/s)

Installation Manual:

- ✓ Double click on the file (DubaiMetro) to start the program.

Algorithm

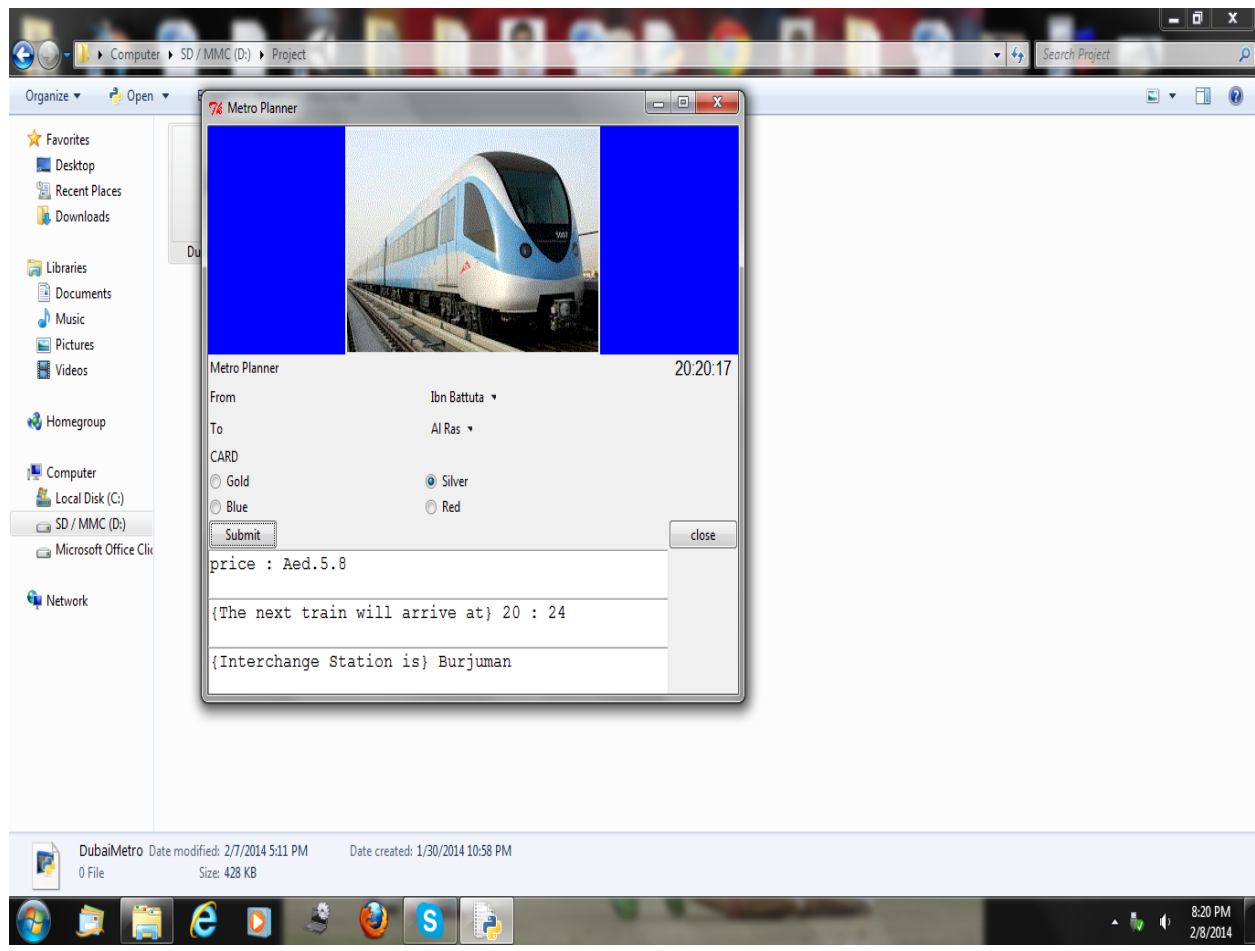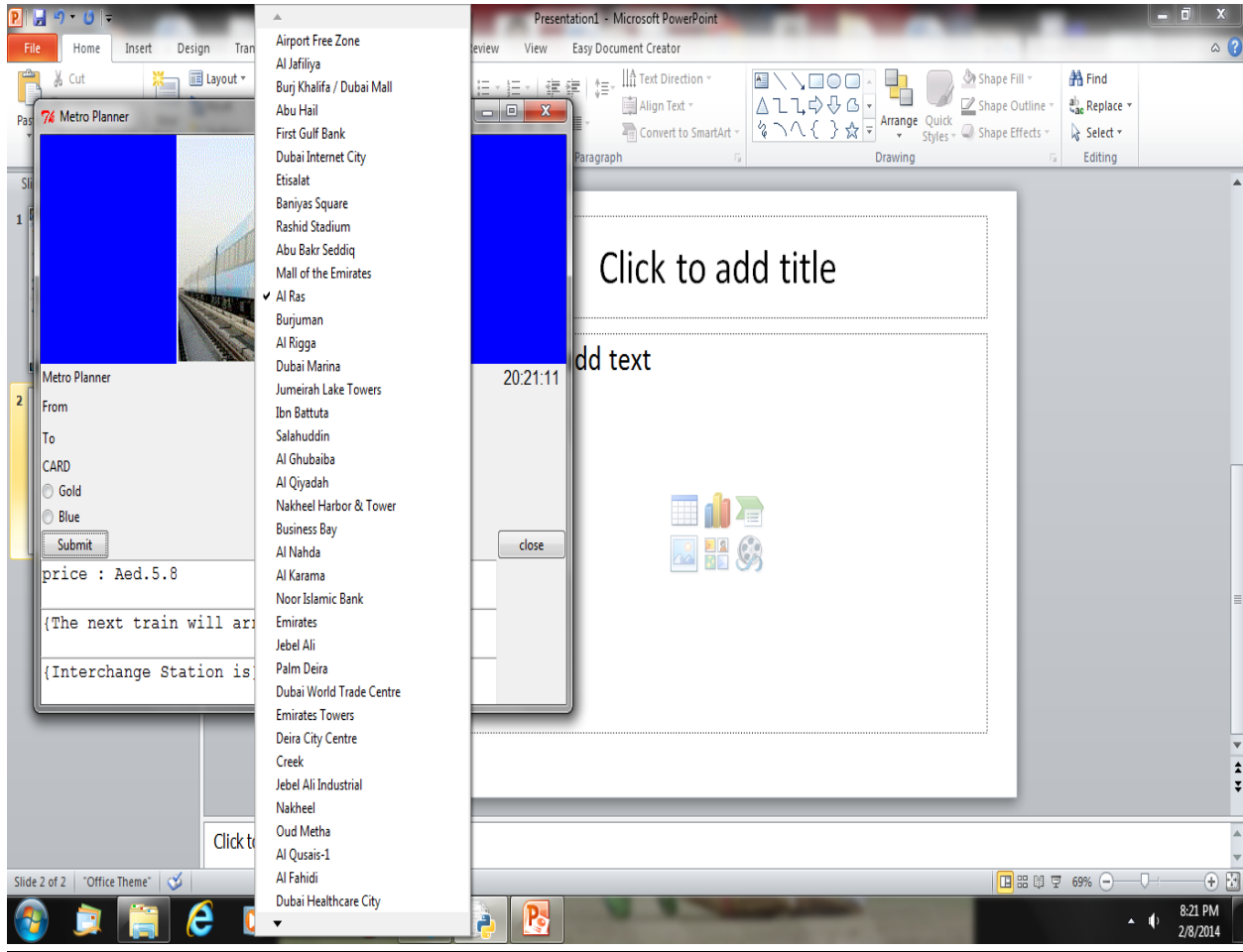- Read the starting & destination station, Card type & next train's time.
- Check for stations in the 4 zones from the lists.
- According to the card type and zones check for the cost.
- From the list of stations calculate the number of stations & interchange station (when stations are on different lines).
- Print the cost, next train's time & number of stations and interchange station (when required).

Flowchart

```
                    START

                      │
                      ▼
        Read the starting & destination
        station and Card type and time

                      │
                      ▼
        Check for stations in the 4
        zones from the lists.

                      │
                      ▼
        According to the card
        type and zones check for
        the cost.

                      │
                      ▼
                 Are the
               stations on
                different
                 lines?
```

No / Yes

Print cost, nest time's train, number of stops.

Print cost, nest time's train, number of stops, interchange stations.
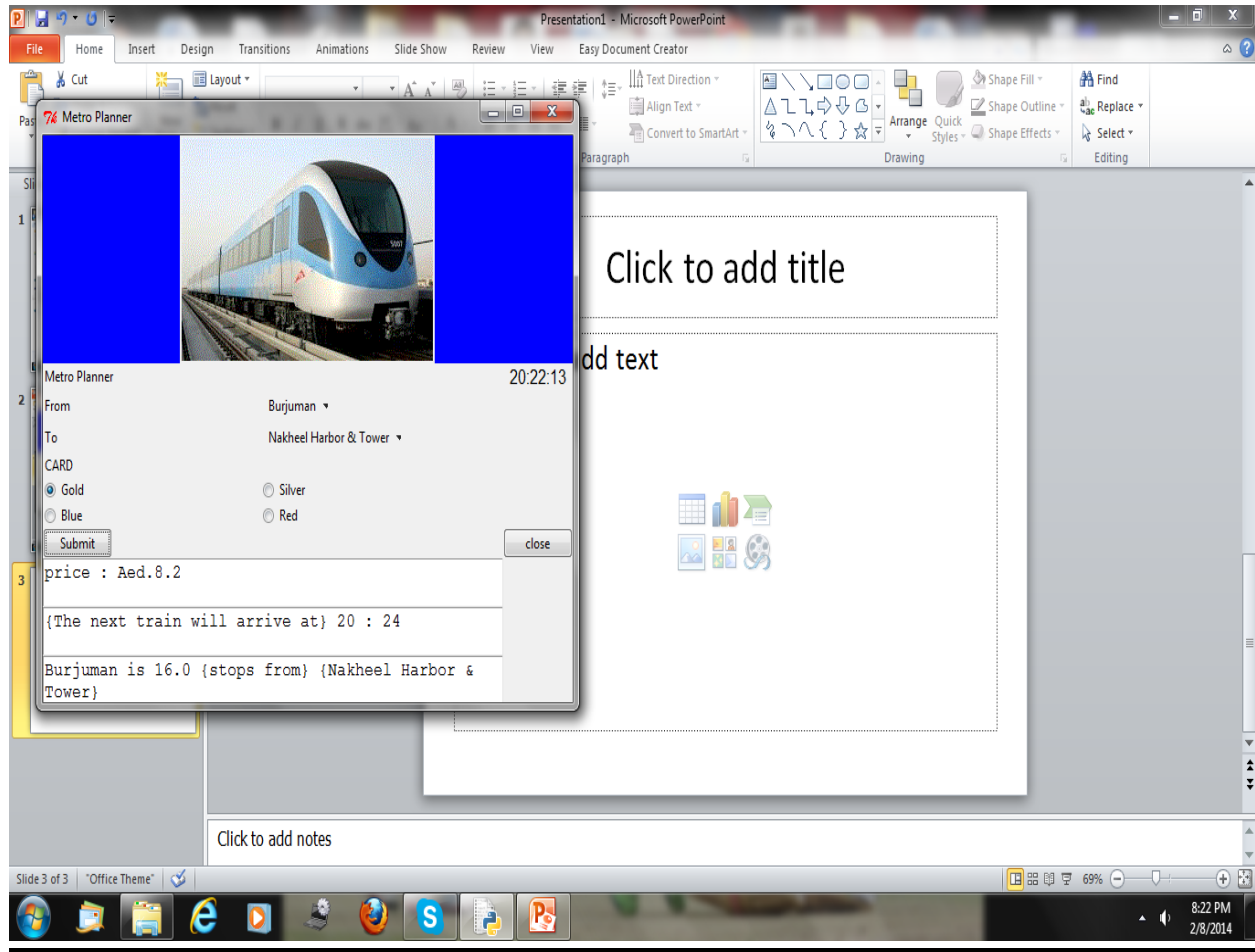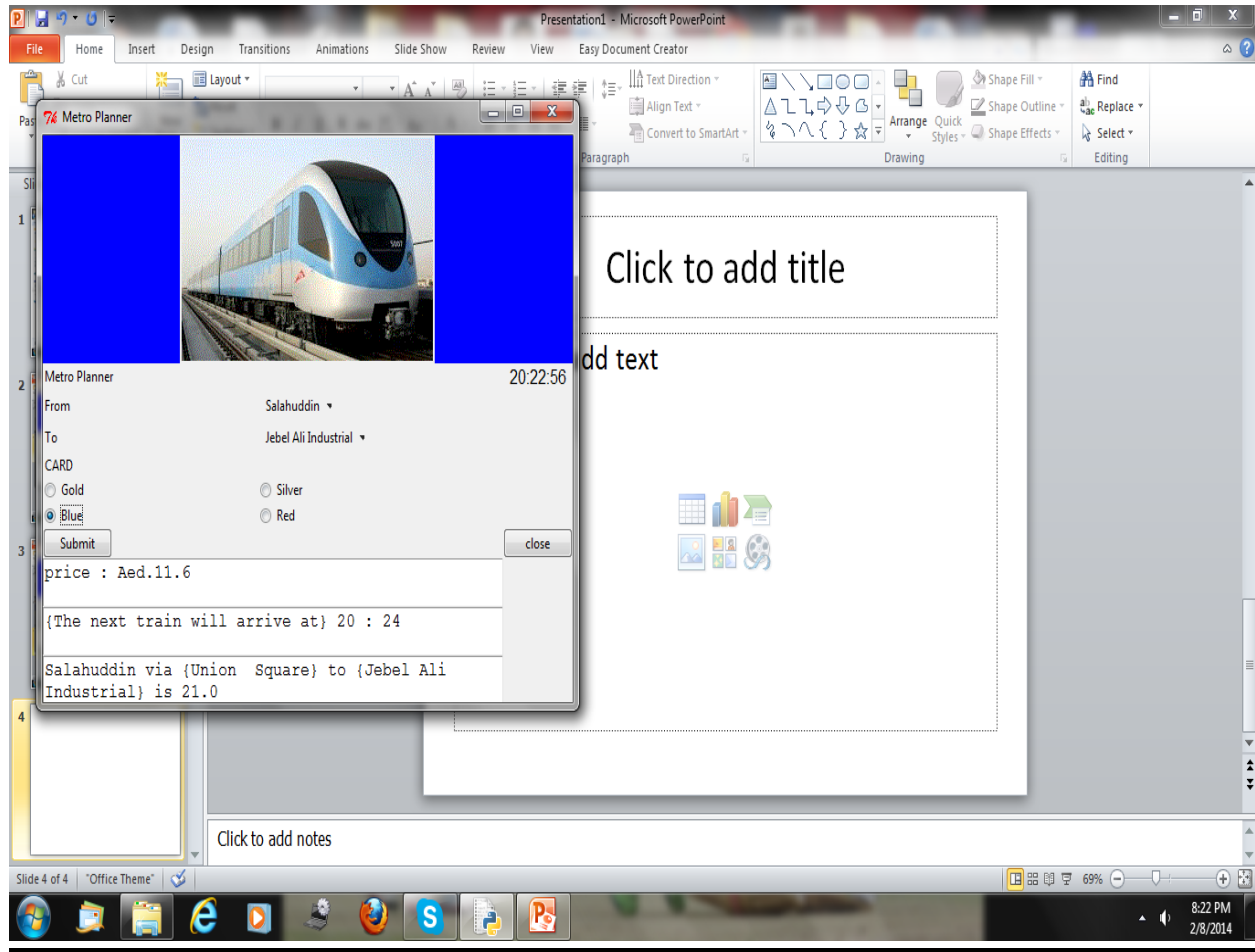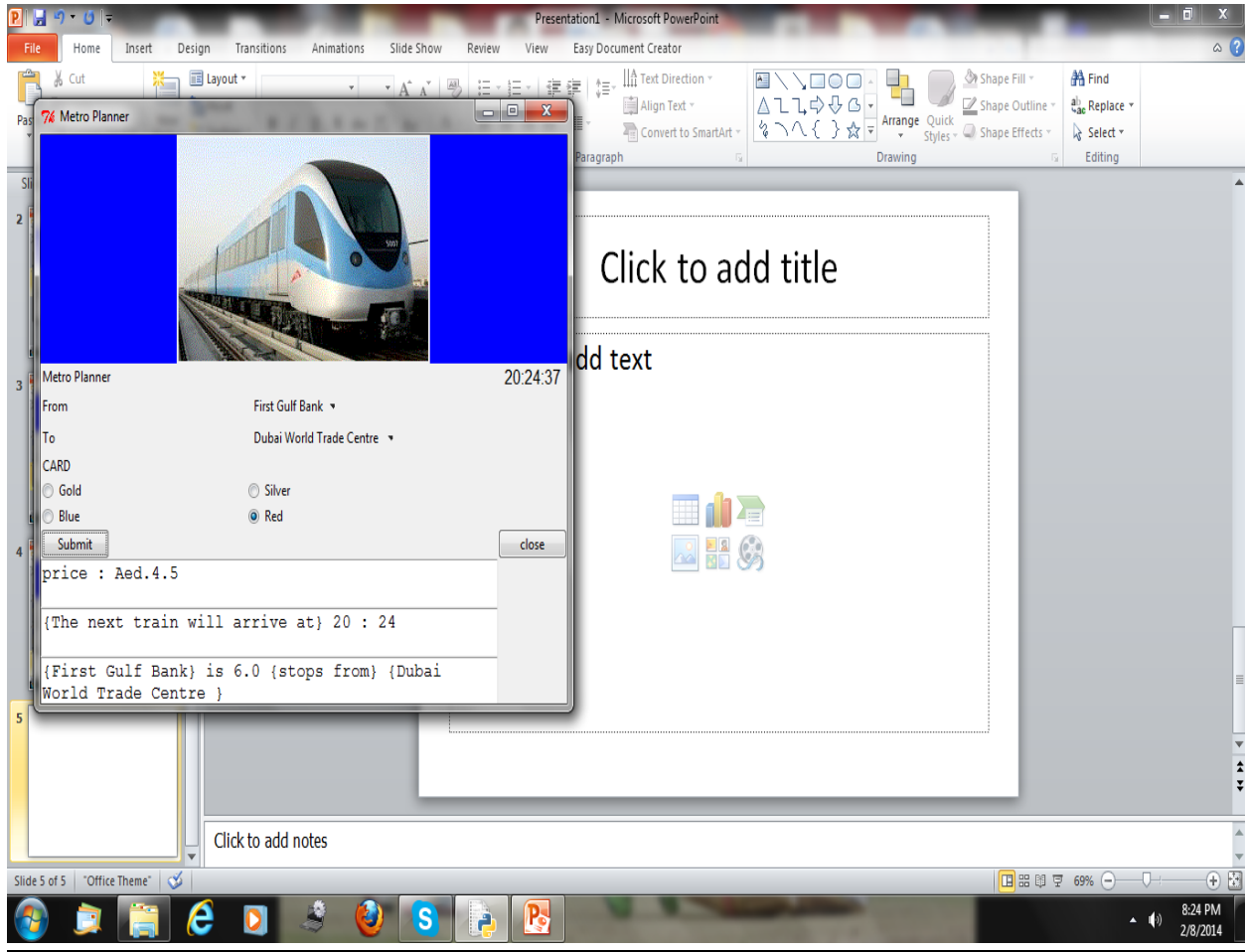
End

End

Snapshots

Source Code

```python
from Tkinter import *
import Tkinter as ttk
from ttk import *
from math import *

import datetime
time=datetime.datetime.now()
import time
the_time=''
class Application(Frame):
    def __init__(self,master):
        Frame.__init__(self,master)
        self.grid()
        self.create_widgets()
    def create_widgets(self):
        self.instruction=Label(self,text="Metro Planner")
        self.instruction.grid(row=0,column=0,columnspan=2,sticky=W)
        self.ins2=Label(self,text="From")
        self.ins2.grid(row=1,column=0,columnspan=1,sticky=W)
        liststations={"Jebel Ali","Jebel Ali Industrial","Noor Islamic Bank","First Gulf Bank",
                "Mall of the Emirates","Sharaf DG","Dubai Internet City","Nakheel","Dubai Marina","Jumeirah Lake Towers",
                "Nakheel Harbor & Tower","Ibn Battuta","Energy","Business Bay",
                "Burj Khalifa / Dubai Mall"," Dubai International Financial Centre ","Emirates Towers","Dubai World Trade Centre ","Al Jafiliya","Al Karama",
                "Creek","Al Jaddaf","Dubai Healthcare City","Oud Metha","Burjuman","Al Fahidi","Al Ghubaiba","Al Ras",
                "Baniyas Square","Palm Deira","Union  Square","Al Rigga","Deira City Centre","GGICO","Airport Terminal-1","Airport Terminal-3",
```

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```python
                    "Emirates","Rashidiya ","Salahuddin","Abu Bakr Seddiq","Abu Hail",
                    "Al Qiyadah","Rashid Stadium","Al Nahda","Airport Free Zone","Al Qusais-1","Etisalat"}
        self.var1=StringVar()
        self.var2=StringVar()


        self.From=OptionMenu(self,self.var1,*liststations)
        self.var1.set('Select')
        self.From.grid(row=1,column=1,sticky=W)
        self.ins3=Label(self,text="To")
        self.ins3.grid(row=2,column=0,columnspan=1,sticky=W)
        self.To=OptionMenu(self,self.var2,*liststations)
        self.var2.set('Select')
        self.To.grid(row=2,column=1,columnspan=2,sticky=W)
        self.ins4=Label(self,text="CARD")
        self.ins4.grid(row=3,column=0,sticky=W)
        self.card=StringVar()

self.radiobutton1=Radiobutton(self,text="Gold",variable=self.card,value="Gold").grid(row=4,column=0,sticky=W)

self.radiobutton2=Radiobutton(self,text="Silver",variable=self.card,value="Silver").grid(row=4,column=1,sticky=W)

self.radiobutton3=Radiobutton(self,text="Blue",variable=self.card,value="Blue").grid(row=5,column=0,sticky=W)

self.radiobutton4=Radiobutton(self,text="Red",variable=self.card,value="Red").grid(row=5,column=1,sticky=W)
        self.submit_button=Button(self,text="Submit",command=self.bigprogram)
        self.submit_button.grid(row=6,column=0,columnspan=2,sticky=W)
        self.closebutton=Button(self,text="close",command=root.destroy)
        self.closebutton.grid(row=6,column=2)
        self.text=Text(self,width=50,height=2,wrap=WORD)
        self.text.grid(row=7,column=0,columnspan=2,sticky=W)
```

```python
        self.text2=Text(self,width=50,height=2,wrap=WORD)

        self.text2.grid(row=8,column=0,columnspan=4,sticky=W)

        self.text3=Text(self,width=50,height=2,wrap=WORD)

        self.text3.grid(row=9,column=0,columnspan=4,sticky=W)




        #Create a label that displays time:

        self.display_time=Label(self, text=the_time)

        self.display_time.grid(row=0, column=2)


        def change_value_the_time():

            global the_time

            newtime = time.strftime('%H:%M:%S')

            if newtime != the_time:

                the_time= newtime

                self.display_time.config(text=the_time, font="40")

            self.display_time.after(20, change_value_the_time)


        change_value_the_time()
```

```python
def bigprogram(self):

    From=self.var1.get()

    To=self.var2.get()

    cardtype=self.card.get()


    card=["Gold","Silver","Blue","Red"]

    zone1=["Jebel Ali","Jebel Ali Industrial"]

    zone2=["Noor Islamic Bank","First Gulf Bank","Mall of the Emirates","Sharaf DG","Dubai Internet
City","Nakheel","Dubai Marina","Jumeirah Lake Towers","Nakheel Harbor & Tower","Ibn
Battuta","Energy"]

    zone3=["Business Bay","Burj Khalifa / Dubai Mall"," Dubai International Financial Centre
","Emirates Towers","Dubai World Trade Centre ","Al Jafiliya","Al Karama","Creek","Al Jaddaf","Dubai
Healthcare City","Oud Metha","Burjuman","Al Fahidi","Al Ghubaiba"]

    zone4=["Al Ras","Baniyas Square","Palm Deira","Union  Square","Al Rigga","Deira City
Centre","GGICO","Airport Terminal-1","Airport Terminal-3","Emirates","Rashidiya ","Salahuddin","Abu
Bakr Seddiq","Abu Hail",

    "Al Qiyadah","Rashid Stadium","Al Nahda","Airport Free Zone","Al Qusais-1","Etisalat"]

    liststations=["Jebel Ali","Jebel Ali Industrial","Noor Islamic Bank","First Gulf Bank",

            "Mall of the Emirates","Sharaf DG","Dubai Internet City","Nakheel","Dubai
Marina","Jumeirah Lake Towers",

            "Nakheel Harbor & Tower","Ibn Battuta","Energy","Business Bay",

            "Burj Khalifa / Dubai Mall"," Dubai International Financial Centre ","Emirates
Towers","Dubai World Trade Centre ","Al Jafiliya","Al Karama",

            "Creek","Al Jaddaf","Dubai Healthcare City","Oud Metha","Burjuman","Al Fahidi","Al
Ghubaiba","Al Ras",

            "Baniyas Square","Palm Deira","Union  Square","Al Rigga","Deira City
Centre","GGICO","Airport Terminal-1","Airport Terminal-3",

            "Emirates","Rashidiya ","Salahuddin","Abu Bakr Seddiq","Abu Hail",

            "Al Qiyadah","Rashid Stadium","Al Nahda","Airport Free Zone","Al Qusais-1","Etisalat"]

    length=len(card)

    length1=len(zone1)

    length2=len(zone2)

    length3=len(zone3)
```

```python
        length4=len(zone4)
        if ((From in liststations) and (To in liststations) and (cardtype in card)):



           if(cardtype=="Gold"):
             if (From==To):
                 message= "IF YOU TAG OUT FROM SAME STATION IT WILL COST YOU MINIMUM AMOUNT:
AED.3.6"


                elif ((From in zone1) and (To in zone1)):
                  a=zone1.index(From)
                  b=zone1.index(To)
                  if (b==a+1 or a==b+1):
                     message= "Aed.3.6"
                  else:
                     message= "Aed.4.6"


                elif ((From in zone2) and (To in zone2)):
                  a=zone2.index(From)
                  b=zone2.index(To)
                  if (b==a+1 or a==b+1):
                     message= "Aed.3.6"
                  else:
                     message="Aed.4.6"
                elif ((From in zone3) and (To in zone3)):
                  a=zone3.index(From)
                  b=zone3.index(To)
                  if (b==a+1 or a==b+1):
                     message= "Aed.3.6"
                  else:
                     message= "Aed.4.6"
```

```python
        elif ((From in zone4) and (To in zone4)):
            a=zone4.index(From)
            b=zone4.index(To)
            if (b==a+1 or a==b+1):
                message= "Aed.3.6"
            else:
                message= "Aed.4.6"


        elif (From!=To):
            for i in range(0,length1):
                a=zone1[i]
                if (a==From):
                    r="zone1"
                elif (a==To):
                    s="zone1"
            for j in range(0,length2):
                b=zone2[j]
                if (b==From):
                    r="zone2"
                elif (b==To):
                    s="zone2"
            for k in range(0,length3):
                c=zone3[k]
                if (c==From):
                    r="zone3"
                elif(c==To):
                    s="zone3"
            for l in range(0,length4):
                d=zone4[l]
                if (d==From):
```

```python
            r="zone4"
        elif(d==To):
            s="zone4"



        if (r=="zone1" and s=="zone2"):
            message= "price",":","Aed.8.2"
        elif (r=="zone1" and s=="zone3"):
            message= "price",":","Aed.11.6"
        elif (r=="zone1" and s=="zone4"):
            message= "price",":","Aed.11.6"
        elif (r=="zone2" and s=="zone1"):
            message= "price",":","Aed.8.2"

        elif (r=="zone2" and s=="zone3"):
            message= "price",":","Aed.8.2"
        elif (r=="zone2" and s=="zone4"):
            message= "price",":","Aed.11.6"
        elif (r=="zone3" and s=="zone1"):
            message= "price",":","Aed.11.6"
        elif (r=="zone3" and s=="zone4"):
            message= "price",":","Aed.8.2"

        elif (r=="zone3" and s=="zone2"):
            message= "price",":","Aed.8.2"
        elif (r=="zone4" and s=="zone1"):
```

```python
            message= "price",":","Aed.11.6"
        elif (r=="zone4" and s=="zone2"):
            message= "price",":","Aed.11.6"
        elif (r=="zone4" and s=="zone3"):
            message= "price",":","Aed.8.2"


    if(cardtype=="Silver"):
      if (From==To):
        message= "IF YOU TAG OUT FROM SAME STATION IT WILL COST YOU MINIMUM AMOUNT:
AED.1.8"
        elif ((From in zone1) and (To in zone1)):
         a=zone1.index(From)
         b=zone1.index(To)
         if (b==a+1 or a==b+1):
           message= "Aed.1.8"
         else:
           message= "Aed.2.3"


        elif ((From in zone2) and (To in zone2)):
          a=zone2.index(From)
          b=zone2.index(To)
          if (b==a+1 or a==b+1):
           message= "Aed.1.8"
          else:
           message="Aed.2.3"
        elif ((From in zone3) and (To in zone3)):
         a=zone3.index(From)
         b=zone3.index(To)
         if (b==a+1 or a==b+1):
           message= "Aed.1.8"
         else:
```

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```python
        message= "Aed.2.3"


    elif ((From in zone4) and (To in zone4)):
      a=zone4.index(From)
      b=zone4.index(To)
      if (b==a+1 or a==b+1):
        message= "Aed.1.8"
      else:
        message= "Aed.2.3"


    elif (From!=To):
      for i in range(0,length1):
        a=zone1[i]
        if (a==From):
          r="zone1"
        elif (a==To):
          s="zone1"
      for j in range(0,length2):
        b=zone2[j]
        if (b==From):
          r="zone2"
        elif (b==To):
          s="zone2"
      for k in range(0,length3):
        c=zone3[k]
        if (c==From):
          r="zone3"
        elif(c==To):
          s="zone3"
      for l in range(0,length4):
        d=zone4[l]
```

[19]

```python
        if (d==From):
         r="zone4"
        elif(d==To):
         s="zone4"




    if (r=="zone1" and s=="zone2"):
        message= "price",":","Aed.4.1"
    elif (r=="zone1" and s=="zone3"):
        message= "price",":","Aed.5.8"
    elif (r=="zone1" and s=="zone4"):
        message= "price",":","Aed.5.8"
    elif (r=="zone2" and s=="zone1"):
        message= "price",":","Aed.4.1"


    elif (r=="zone2" and s=="zone3"):
        message= "price",":","Aed.4.1"
    elif (r=="zone2" and s=="zone4"):
        message= "price",":","Aed.5.8"
    elif (r=="zone3" and s=="zone1"):
        message= "price",":","Aed.5.8"
    elif (r=="zone3" and s=="zone4"):
        message= "price",":","Aed.4.1"


    elif (r=="zone3" and s=="zone2"):
        message= "price",":","Aed.4.1"
    elif (r=="zone4" and s=="zone1"):
        message= "price",":","Aed.5.8"
    elif (r=="zone4" and s=="zone2"):
        message= "price",":","Aed.5.8"
```

[20]

```python
            elif (r=="zone4" and s=="zone3"):
                message= "price",":","Aed.4.1"
        if(cardtype=="Red"):
          if (From==To):
            message= "IF YOU TAG OUT FROM SAME STATION IT WILL COST YOU MINIMUM AMOUNT:
AED.2.0"
          elif ((From in zone1) and (To in zone1)):
           a=zone1.index(From)
           b=zone1.index(To)
           if (b==a+1 or a==b+1):
             message= "Aed.2.0"
           else:
             message= "Aed.2.5"


          elif ((From in zone2) and (To in zone2)):
            a=zone2.index(From)
            b=zone2.index(To)
            if (b==a+1 or a==b+1):
             message= "Aed.2.0"
            else:
             message="Aed.2.5"
          elif ((From in zone3) and (To in zone3)):
           a=zone3.index(From)
           b=zone3.index(To)
           if (b==a+1 or a==b+1):
             message= "Aed.2.0"
           else:
             message= "Aed.2.5"


          elif ((From in zone4) and (To in zone4)):
            a=zone4.index(From)
```

```python
        b=zone4.index(To)
    if (b==a+1 or a==b+1):
       message= "Aed.2.0"
    else:
       message= "Aed.2.5"


  elif (From!=To):
    for i in range(0,length1):
      a=zone1[i]
      if (a==From):
        r="zone1"
      elif (a==To):
        s="zone1"
    for j in range(0,length2):
      b=zone2[j]
      if (b==From):
          r="zone2"
      elif (b==To):
          s="zone2"
    for k in range(0,length3):
      c=zone3[k]
      if (c==From):
        r="zone3"
      elif(c==To):
        s="zone3"
    for l in range(0,length4):
        d=zone4[l]
        if (d==From):
         r="zone4"
        elif(d==To):
         s="zone4"
```

```python
        if (r=="zone1" and s=="zone2"):
            message= "price",":","Aed.4.5"
        elif (r=="zone1" and s=="zone3"):
            message= "price",":","Aed.6.5"
        elif (r=="zone1" and s=="zone4"):
            message= "price",":","Aed.6.5"
        elif (r=="zone2" and s=="zone1"):
            message= "price",":","Aed.4.5"

        elif (r=="zone2" and s=="zone3"):
            message= "price",":","Aed.4.5"
        elif (r=="zone2" and s=="zone4"):
            message= "price",":","Aed.6.5"
        elif (r=="zone3" and s=="zone1"):
            message= "price",":","Aed.6.5"
        elif (r=="zone3" and s=="zone4"):
            message= "price",":","Aed.4.5"

        elif (r=="zone3" and s=="zone2"):
            message= "price",":","Aed.4.5"
        elif (r=="zone4" and s=="zone1"):
            message= "price",":","Aed.6.5"
        elif (r=="zone4" and s=="zone2"):
            message= "price",":","Aed.6.5"
        elif (r=="zone4" and s=="zone3"):
            message= "price",":","Aed.4.5"
    if(cardtype=="Blue"):
        if (From==To):
```

```python
        message= "IF YOU TAG OUT FROM SAME STATION IT WILL COST YOU MINIMUM AMOUNT:
AED.0.9"
        elif ((From in zone1) and (To in zone1)):
         a=zone1.index(From)
         b=zone1.index(To)
         if (b==a+1 or a==b+1):
           message= "Aed.0.9"
         else:
           message= "Aed.1.05"


        elif ((From in zone2) and (To in zone2)):
         a=zone2.index(From)
         b=zone2.index(To)
         if (b==a+1 or a==b+1):
           message= "Aed.0.9"
         else:
           message="Aed.1.05"
        elif ((From in zone3) and (To in zone3)):
         a=zone3.index(From)
         b=zone3.index(To)
         if (b==a+1 or a==b+1):
           message= "Aed.0.9"
         else:
           message= "Aed.1.05"


        elif ((From in zone4) and (To in zone4)):
         a=zone4.index(From)
         b=zone4.index(To)
         if (b==a+1 or a==b+1):
           message= "Aed.0.9"
         else:
```

```python
        message= "Aed.1.05"


    elif (From!=To):
     for i in range(0,length1):
      a=zone1[i]
      if (a==From):
       r="zone1"
      elif (a==To):
       s="zone1"
     for j in range(0,length2):
      b=zone2[j]
      if (b==From):
       r="zone2"
      elif (b==To):
       s="zone2"
     for k in range(0,length3):
      c=zone3[k]
      if (c==From):
       r="zone3"
      elif(c==To):
       s="zone3"
     for l in range(0,length4):
      d=zone4[l]
      if (d==From):
       r="zone4"
      elif(d==To):
       s="zone4"



     if (r=="zone1" and s=="zone2"):
```

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```python
            message= "price",":","Aed.2.05"
        elif (r=="zone1" and s=="zone3"):
            message= "price",":","Aed.2.9"
        elif (r=="zone1" and s=="zone4"):
            message= "price",":","Aed.2.9"
        elif (r=="zone2" and s=="zone1"):
            message= "price",":","Aed.2.05"

        elif (r=="zone2" and s=="zone3"):
            message= "price",":","Aed.2.05"
        elif (r=="zone2" and s=="zone4"):
            message= "price",":","Aed.2.9"
        elif (r=="zone3" and s=="zone1"):
            message= "price",":","Aed.2.9"
        elif (r=="zone3" and s=="zone4"):
            message= "price",":","Aed.2.05"

        elif (r=="zone3" and s=="zone2"):
            message= "price",":","Aed.2.05"
        elif (r=="zone4" and s=="zone1"):
            message= "price",":","Aed.2.9"
        elif (r=="zone4" and s=="zone2"):
            message= "price",":","Aed.2.9"
        elif (r=="zone4" and s=="zone3"):
            message= "price",":","Aed.2.05"
    self.text.delete(0.0,END)
    self.text.insert(0.0,message)
    import datetime
    y=datetime.datetime.now()
    hour=y.hour
    minute=y.minute
```

```python
if (hour==23 and minute>28):
    message1= "The next train will arrive at",5,":",45


if (From=="Dubai Healthcare City"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",45
    if (hour==5):
        if (minute>44):
            message1= "The next train will arrive at",5,":",45
        elif (minute>45):
            message1= "The next train will arrive at",5,":",53
        elif(minute>53):
            message1= "The next train will arrive at",6,":",01
    elif(hour==6):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",6,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",7,":",06
                break
    elif(hour==7):
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",7,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",8,":",02
                break
    elif(hour==8):
        for minhand in range(2,60,8):
```

```python
            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",9,":",06

                break

    elif(hour==9):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",10,":",02

                break

    elif(hour==10):

        for minhand in range(2,60,6):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",11,":",04

                break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",12,":",06

                break
```

```python
        elif(hour==12):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",12,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",13,":",02
                    break
        elif(hour==13):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",13,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",14,":",06
                    break
        elif(hour==14):
            for minhand in range(6,60,8):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",14,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",15,":",02
                    break
        elif(hour==15):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",15,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",16,":",06
```

```python
                break
        elif(hour==16):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",16,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",17,":",00
                    break
        elif(hour==17):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",17,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",18,":",00
                    break
        elif(hour==18):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",18,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",19,":",00
                    break
        elif(hour==19):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",19,":",minhand
                    break
                elif(minute>54):
```

```python
            message1= "The next train will arrive at",20,":",00

            break



    elif(hour==20):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",20,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",21,":",00

                break

    elif(hour==21):

        for minhand in range(0,60,8):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",21,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",22,":",02

                break

    elif(hour==22):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",22,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",23,":",04

                break

    elif(hour==23):

        for minhand in range(4,26,8):

            if(minhand>=minute):
```

[31]

```python
            message1= "The next train will arrive at",23,":",minhand

            break
    if (From=="Oud Metha"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

            message1= "The next train will arrive at",5,":",47

        if (hour==5):

            if (minute>44):

                message1= "The next train will arrive at",5,":",47

            elif (minute>45):

                message1= "The next train will arrive at",5,":",55

            elif(minute>53):

                message1= "The next train will arrive at",6,":",03

        elif(hour==6):

            for minhand in range(3,60,8):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",6,":",minhand

                    break

                elif(minute>59):

                    message1= "The next train will arrive at",7,":",07

                    break

        elif(hour==7):

            for minhand in range(7,60,8):

                if(minhand>=minute and minute<=55):

                    message1= "The next train will arrive at",7,":",minhand

                    break

                elif(minute>55):

                    message1= "The next train will arrive at",8,":",03

                    break

        elif(hour==8):

            for minhand in range(3,60,8):

                if(minhand>=minute and minute<=59):
```

```python
            message1= "The next train will arrive at",8,":",minhand
            break
        elif(minute>59):
            message1= "The next train will arrive at",9,":",07
            break
elif(hour==9):
    for minhand in range(7,60,6):
        if(minhand>=minute and minute<=55):
            message1= "The next train will arrive at",9,":",minhand
            break
        elif(minute>55):
            message1= "The next train will arrive at",10,":",01
            break
elif(hour==10):
    for minhand in range(1,60,6):
        if(minhand>=minute and minute<=55):
            message1= "The next train will arrive at",10,":",minhand
            break
        elif(minute>55):
            message1= "The next train will arrive at",11,":",01
            break
elif(hour==11):
    for minhand in range(1,60,6):
        if(minhand>=minute and minute<=55):
            message1= "The next train will arrive at",11,":",minhand
            break
        elif(minute>55):
            message1= "The next train will arrive at",12,":",01
            break


elif(hour==12):
```

```python
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",12,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",13,":",01
                break
    elif(hour==13):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",13,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",14,":",05
                break
    elif(hour==14):
        for minhand in range(5,60,8):
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>53):
                message1= "The next train will arrive at",15,":",01
                break
    elif(hour==15):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",16,":",05
                break
```

```python
elif(hour==16):

    for minhand in range(5,60,6):

        if(minhand>=minute and minute<=59):

            message1= "The next train will arrive at",16,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",17,":",05

            break

elif(hour==17):

    for minhand in range(5,60,6):

        if(minhand>=minute and minute<=59):

            message1= "The next train will arrive at",17,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",18,":",05

            break

elif(hour==18):

    for minhand in range(5,60,6):

        if(minhand>=minute and minute<=59):

            message1= "The next train will arrive at",18,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",19,":",05

            break

elif(hour==19):

    for minhand in range(5,60,6):

        if(minhand>=minute and minute<=59):

            message1= "The next train will arrive at",19,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",20,":",05
```

```python
            break



        elif(hour==20):
            for minhand in range(5,60,6):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",20,":",minhand
                    break
                elif(minute>59):
                    message1= "The next train will arrive at",21,":",05
                    break
        elif(hour==21):
            for minhand in range(5,60,8):
                if(minhand>=minute and minute<=53):
                    message1= "The next train will arrive at",21,":",minhand
                    break
                elif(minute>53):
                    message1= "The next train will arrive at",22,":",01
                    break
        elif(hour==22):
            for minhand in range(1,60,8):
                if(minhand>=minute and minute<=57):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>57):
                    message1= "The next train will arrive at",23,":",05
                    break
        elif(hour==23):
            for minhand in range(5,29,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
```

```python
            break
if (From=="Jebel Ali"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",45
    if (hour==5):
        if (minute>44):
            message1= "The next train will arrive at",5,":",45
        elif (minute>45):
            message1= "The next train will arrive at",5,":",53
        elif(minute>53):
            message1= "The next train will arrive at",6,":",01
    elif(hour==6):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",6,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",7,":",06
                break
    elif(hour==7):
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",7,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",8,":",02
                break
    elif(hour==8):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",8,":",minhand
```

[37]

```python
            break

        elif(minute>58):

            message1= "The next train will arrive at",9,":",06

            break

    elif(hour==9):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",10,":",02

                break

    elif(hour==10):

        for minhand in range(2,60,6):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",11,":",04

                break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",12,":",06

                break


    elif(hour==12):

        for minhand in range(6,60,6):
```

```python
        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",12,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",13,":",02

            break

elif(hour==13):

    for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",13,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",14,":",06

            break

elif(hour==14):

    for minhand in range(6,60,8):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",14,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",15,":",02

            break

elif(hour==15):

    for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",15,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",16,":",06

            break

elif(hour==16):
```

```python
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",17,":",00
                break
    elif(hour==17):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",18,":",00
                break
    elif(hour==18):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",19,":",00
                break
    elif(hour==19):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",20,":",00
                break
```

[40]

```python
        elif(hour==20):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",20,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",21,":",00
                    break
        elif(hour==21):
            for minhand in range(0,60,8):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",21,":",minhand
                    break
                elif(minute>56):
                    message1= "The next train will arrive at",22,":",02
                    break
        elif(hour==22):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",23,":",04
                    break
        elif(hour==23):
            for minhand in range(4,26,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
                    break
```

```python
if (From=="Al Qusais-1"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",47
    if (hour==5):
        if (minute>44):
            message1= "The next train will arrive at",5,":",47
        elif (minute>45):
            message1= "The next train will arrive at",5,":",55
        elif(minute>53):
            message1= "The next train will arrive at",6,":",03
    elif(hour==6):
        for minhand in range(3,60,8):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",6,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",7,":",07
                break
    elif(hour==7):
        for minhand in range(7,60,8):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",7,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",8,":",03
                break
    elif(hour==8):
        for minhand in range(3,60,8):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",8,":",minhand
                break
```

[42]

```python
        elif(minute>59):

            message1= "The next train will arrive at",9,":",07

            break

    elif(hour==9):

        for minhand in range(7,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",10,":",01

                break

    elif(hour==10):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",11,":",01

                break

    elif(hour==11):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",12,":",01

                break


    elif(hour==12):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):
```

```python
            message1= "The next train will arrive at",12,":",minhand

            break

          elif(minute>55):

            message1= "The next train will arrive at",13,":",01

            break

    elif(hour==13):

      for minhand in range(1,60,8):

        if(minhand>=minute and minute<=57):

          message1= "The next train will arrive at",13,":",minhand

          break

        elif(minute>57):

          message1= "The next train will arrive at",14,":",05

          break

    elif(hour==14):

      for minhand in range(5,60,8):

        if(minhand>=minute and minute<=53):

          message1= "The next train will arrive at",14,":",minhand

          break

        elif(minute>53):

          message1= "The next train will arrive at",15,":",01

          break

    elif(hour==15):

      for minhand in range(1,60,8):

        if(minhand>=minute and minute<=57):

          message1= "The next train will arrive at",15,":",minhand

          break

        elif(minute>57):

          message1= "The next train will arrive at",16,":",05

          break

    elif(hour==16):

      for minhand in range(5,60,6):
```

```python
        if(minhand>=minute and minute<=59):

            message1= "The next train will arrive at",16,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",17,":",05

            break

elif(hour==17):

    for minhand in range(5,60,6):

        if(minhand>=minute and minute<=59):

            message1= "The next train will arrive at",17,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",18,":",05

            break

elif(hour==18):

    for minhand in range(5,60,6):

        if(minhand>=minute and minute<=59):

            message1= "The next train will arrive at",18,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",19,":",05

            break

elif(hour==19):

    for minhand in range(5,60,6):

        if(minhand>=minute and minute<=59):

            message1= "The next train will arrive at",19,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",20,":",05

            break
```

```python
        elif(hour==20):
            for minhand in range(5,60,6):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",20,":",minhand
                    break
                elif(minute>59):
                    message1= "The next train will arrive at",21,":",05
                    break
        elif(hour==21):
            for minhand in range(5,60,8):
                if(minhand>=minute and minute<=53):
                    message1= "The next train will arrive at",21,":",minhand
                    break
                elif(minute>53):
                    message1= "The next train will arrive at",22,":",01
                    break
        elif(hour==22):
            for minhand in range(1,60,8):
                if(minhand>=minute and minute<=57):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>57):
                    message1= "The next train will arrive at",23,":",05
                    break
        elif(hour==23):
            for minhand in range(5,29,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
                    break
    if (From=="Etisalat"):
```

```python
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
            message1= "The next train will arrive at",5,":",45
        if (hour==5):
            if (minute>44):
                message1= "The next train will arrive at",5,":",45
            elif (minute>45):
                message1= "The next train will arrive at",5,":",53
            elif(minute>53):
                message1= "The next train will arrive at",6,":",01
        elif(hour==6):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",6,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",7,":",06
                    break
        elif(hour==7):
            for minhand in range(6,60,8):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",7,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",8,":",02
                    break
        elif(hour==8):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",8,":",minhand
                    break
                elif(minute>58):
```

```python
            message1= "The next train will arrive at",9,":",06

            break

    elif(hour==9):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",10,":",02

                break

    elif(hour==10):

        for minhand in range(2,60,6):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",11,":",04

                break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",12,":",06

                break


    elif(hour==12):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",12,":",minhand
```

```python
            break

        elif(minute>54):

            message1= "The next train will arrive at",13,":",02

            break

    elif(hour==13):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",14,":",06

                break

    elif(hour==14):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",14,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",15,":",02

                break

    elif(hour==15):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",15,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",16,":",06

                break

    elif(hour==16):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):
```

[49]

```python
            message1= "The next train will arrive at",16,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",17,":",00

            break

elif(hour==17):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",17,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",18,":",00

            break

elif(hour==18):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",18,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",19,":",00

            break

elif(hour==19):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",19,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",20,":",00

            break
```

```python
        elif(hour==20):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",20,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",21,":",00
                    break
        elif(hour==21):
            for minhand in range(0,60,8):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",21,":",minhand
                    break
                elif(minute>56):
                    message1= "The next train will arrive at",22,":",02
                    break
        elif(hour==22):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",23,":",04
                    break
        elif(hour==23):
            for minhand in range(4,26,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
                    break
    if (From=="Al Karama"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
```

```python
        message1= "The next train will arrive at",5,":",45
if (hour==5):
    if (minute>44):
        message1= "The next train will arrive at",5,":",45
    elif (minute>45):
        message1= "The next train will arrive at",5,":",53
    elif(minute>53):
        message1= "The next train will arrive at",6,":",01
elif(hour==6):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",6,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",7,":",06
            break
elif(hour==7):
    for minhand in range(6,60,8):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",7,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",8,":",02
            break
elif(hour==8):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",8,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",9,":",06
```

```python
            break
    elif(hour==9):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",9,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",10,":",02
                break
    elif(hour==10):
        for minhand in range(2,60,6):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",11,":",04
                break
    elif(hour==11):
        for minhand in range(4,60,6):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",11,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",12,":",06
                break


    elif(hour==12):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",12,":",minhand
                break
```

[53]

```python
        elif(minute>54):

            message1= "The next train will arrive at",13,":",02

            break

    elif(hour==13):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",14,":",06

                break

    elif(hour==14):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",14,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",15,":",02

                break

    elif(hour==15):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",15,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",16,":",06

                break

    elif(hour==16):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",16,":",minhand
```

```python
            break

        elif(minute>54):

            message1= "The next train will arrive at",17,":",00

            break

    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",18,":",00

                break

    elif(hour==18):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",18,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",19,":",00

                break

    elif(hour==19):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",19,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",20,":",00

                break


    elif(hour==20):
```

```python
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",21,":",00
                break
    elif(hour==21):
        for minhand in range(0,60,8):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",21,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",22,":",02
                break
    elif(hour==22):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",22,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",23,":",04
                break
    elif(hour==23):
        for minhand in range(4,26,8):
            if(minhand>=minute):
                message1= "The next train will arrive at",23,":",minhand
                break
if (From=="Rashidiya "):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",45
```

[56]

```python
if (hour==5):
    if (minute>44):
        message1= "The next train will arrive at",5,":",45
    elif (minute>45):
        message1= "The next train will arrive at",5,":",53
    elif(minute>53):
        message1= "The next train will arrive at",6,":",01
elif(hour==6):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",6,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",7,":",06
            break
elif(hour==7):
    for minhand in range(6,60,8):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",7,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",8,":",02
            break
elif(hour==8):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",8,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",9,":",06
            break
```

```python
        elif(hour==9):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",9,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",10,":",02
                    break
        elif(hour==10):
            for minhand in range(2,60,6):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",10,":",minhand
                    break
                elif(minute>56):
                    message1= "The next train will arrive at",11,":",04
                    break
        elif(hour==11):
            for minhand in range(4,60,6):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",11,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",12,":",06
                    break


        elif(hour==12):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",12,":",minhand
                    break
                elif(minute>54):
```

```python
                    message1= "The next train will arrive at",13,":",02

                    break

        elif(hour==13):

            for minhand in range(2,60,8):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",13,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",14,":",06

                    break

        elif(hour==14):

            for minhand in range(6,60,8):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",14,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",15,":",02

                    break

        elif(hour==15):

            for minhand in range(2,60,8):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",15,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",16,":",06

                    break

        elif(hour==16):

            for minhand in range(6,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",16,":",minhand

                    break
```

```python
        elif(minute>54):

            message1= "The next train will arrive at",17,":",00

            break

    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",18,":",00

                break

    elif(hour==18):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",18,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",19,":",00

                break

    elif(hour==19):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",19,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",20,":",00

                break


    elif(hour==20):

        for minhand in range(0,60,6):
```

```python
            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",20,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",21,":",00

                break

    elif(hour==21):

        for minhand in range(0,60,8):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",21,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",22,":",02

                break

    elif(hour==22):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",22,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",23,":",04

                break

    elif(hour==23):

        for minhand in range(4,26,8):

            if(minhand>=minute):

                message1= "The next train will arrive at",23,":",minhand

                break

if (From=="Burjuman"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

        message1= "The next train will arrive at",5,":",45

    if (hour==5):
```

[61]

```python
        if (minute>44):

            message1= "The next train will arrive at",5,":",45

        elif (minute>45):

            message1= "The next train will arrive at",5,":",53

        elif(minute>53):

            message1= "The next train will arrive at",6,":",01

elif(hour==6):

    for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",6,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",7,":",06

            break

elif(hour==7):

    for minhand in range(6,60,8):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",7,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",8,":",02

            break

elif(hour==8):

    for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",8,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",9,":",06

            break

elif(hour==9):
```

```python
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",9,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",10,":",02
                break
    elif(hour==10):
        for minhand in range(2,60,6):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",11,":",04
                break
    elif(hour==11):
        for minhand in range(4,60,6):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",11,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",12,":",06
                break


    elif(hour==12):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",12,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",13,":",02
```

```python
            break
    elif(hour==13):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",13,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",14,":",06
                break
    elif(hour==14):
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",15,":",02
                break
    elif(hour==15):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",16,":",06
                break
    elif(hour==16):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>54):
```

```python
            message1= "The next train will arrive at",17,":",00

            break
    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",18,":",00

                break
    elif(hour==18):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",18,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",19,":",00

                break
    elif(hour==19):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",19,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",20,":",00

                break



    elif(hour==20):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):
```

```python
            message1= "The next train will arrive at",20,":",minhand

            break

          elif(minute>54):

            message1= "The next train will arrive at",21,":",00

            break

      elif(hour==21):

        for minhand in range(0,60,8):

          if(minhand>=minute and minute<=56):

            message1= "The next train will arrive at",21,":",minhand

            break

          elif(minute>56):

            message1= "The next train will arrive at",22,":",02

            break

      elif(hour==22):

        for minhand in range(2,60,8):

          if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",22,":",minhand

            break

          elif(minute>58):

            message1= "The next train will arrive at",23,":",04

            break

      elif(hour==23):

        for minhand in range(4,26,8):

          if(minhand>=minute):

            message1= "The next train will arrive at",23,":",minhand

            break

  if (From=="Al Fahidi"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

      message1= "The next train will arrive at",5,":",45

    if (hour==5):

      if (minute>44):
```

```python
            message1= "The next train will arrive at",5,":",45
        elif (minute>45):
            message1= "The next train will arrive at",5,":",53
        elif(minute>53):
            message1= "The next train will arrive at",6,":",01
elif(hour==6):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",6,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",7,":",06
            break
elif(hour==7):
    for minhand in range(6,60,8):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",7,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",8,":",02
            break
elif(hour==8):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",8,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",9,":",06
            break
elif(hour==9):
    for minhand in range(6,60,6):
```

```python
        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",9,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",10,":",02

            break

elif(hour==10):

    for minhand in range(2,60,6):

        if(minhand>=minute and minute<=56):

            message1= "The next train will arrive at",10,":",minhand

            break

        elif(minute>56):

            message1= "The next train will arrive at",11,":",04

            break

elif(hour==11):

    for minhand in range(4,60,6):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",11,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",12,":",06

            break


elif(hour==12):

    for minhand in range(6,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",12,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",13,":",02

            break
```

```python
        elif(hour==13):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",13,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",14,":",06
                    break
        elif(hour==14):
            for minhand in range(6,60,8):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",14,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",15,":",02
                    break
        elif(hour==15):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",15,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",16,":",06
                    break
        elif(hour==16):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",16,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",17,":",00
```

```
                    break
            elif(hour==17):
                for minhand in range(0,60,6):
                    if(minhand>=minute and minute<=54):
                        message1= "The next train will arrive at",17,":",minhand
                        break
                    elif(minute>54):
                        message1= "The next train will arrive at",18,":",00
                        break
            elif(hour==18):
                for minhand in range(0,60,6):
                    if(minhand>=minute and minute<=54):
                        message1= "The next train will arrive at",18,":",minhand
                        break
                    elif(minute>54):
                        message1= "The next train will arrive at",19,":",00
                        break
            elif(hour==19):
                for minhand in range(0,60,6):
                    if(minhand>=minute and minute<=54):
                        message1= "The next train will arrive at",19,":",minhand
                        break
                    elif(minute>54):
                        message1= "The next train will arrive at",20,":",00
                        break



            elif(hour==20):
                for minhand in range(0,60,6):
                    if(minhand>=minute and minute<=54):
                        message1= "The next train will arrive at",20,":",minhand
```

```python
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",21,":",00
                    break
            elif(hour==21):
                for minhand in range(0,60,8):
                    if(minhand>=minute and minute<=56):
                        message1= "The next train will arrive at",21,":",minhand
                        break
                    elif(minute>56):
                        message1= "The next train will arrive at",22,":",02
                        break
            elif(hour==22):
                for minhand in range(2,60,8):
                    if(minhand>=minute and minute<=58):
                        message1= "The next train will arrive at",22,":",minhand
                        break
                    elif(minute>58):
                        message1= "The next train will arrive at",23,":",04
                        break
            elif(hour==23):
                for minhand in range(4,26,8):
                    if(minhand>=minute):
                        message1= "The next train will arrive at",23,":",minhand
                        break
    if (From=="Al Ghubaiba"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
            message1= "The next train will arrive at",5,":",45
        if (hour==5):
            if (minute>44):
                message1= "The next train will arrive at",5,":",45
```

[71]

```python
        elif (minute>45):

            message1= "The next train will arrive at",5,":",53

        elif(minute>53):

            message1= "The next train will arrive at",6,":",01

    elif(hour==6):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",6,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",7,":",06

                break

    elif(hour==7):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",8,":",02

                break

    elif(hour==8):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",9,":",06

                break

    elif(hour==9):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):
```

```python
            message1= "The next train will arrive at",9,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",10,":",02

            break

elif(hour==10):

    for minhand in range(2,60,6):

        if(minhand>=minute and minute<=56):

            message1= "The next train will arrive at",10,":",minhand

            break

        elif(minute>56):

            message1= "The next train will arrive at",11,":",04

            break

elif(hour==11):

    for minhand in range(4,60,6):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",11,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",12,":",06

            break


elif(hour==12):

    for minhand in range(6,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",12,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",13,":",02

            break

elif(hour==13):
```

```python
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",13,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",14,":",06
                break
    elif(hour==14):
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",15,":",02
                break
    elif(hour==15):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",16,":",06
                break
    elif(hour==16):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",17,":",00
                break
```

[74]

```python
        elif(hour==17):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",17,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",18,":",00
                    break
        elif(hour==18):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",18,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",19,":",00
                    break
        elif(hour==19):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",19,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",20,":",00
                    break




        elif(hour==20):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",20,":",minhand
                    break
```

```
            elif(minute>54):

                message1= "The next train will arrive at",21,":",00

                break

        elif(hour==21):

            for minhand in range(0,60,8):

                if(minhand>=minute and minute<=56):

                    message1= "The next train will arrive at",21,":",minhand

                    break

                elif(minute>56):

                    message1= "The next train will arrive at",22,":",02

                    break

        elif(hour==22):

            for minhand in range(2,60,8):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",22,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",23,":",04

                    break

        elif(hour==23):

            for minhand in range(4,26,8):

                if(minhand>=minute):

                    message1= "The next train will arrive at",23,":",minhand

                    break


    if (From=="Al Jaddaf"):

        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

            message1= "The next train will arrive at",5,":",45

        if (hour==5):

            if (minute>44):

                message1= "The next train will arrive at",5,":",45
```

```python
        elif (minute>45):

            message1= "The next train will arrive at",5,":",53

        elif(minute>53):

            message1= "The next train will arrive at",6,":",01

    elif(hour==6):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",6,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",7,":",06

                break

    elif(hour==7):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",8,":",02

                break

    elif(hour==8):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",9,":",06

                break

    elif(hour==9):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):
```

[77]

```python
            message1= "The next train will arrive at",9,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",10,":",02

            break

elif(hour==10):

    for minhand in range(2,60,6):

        if(minhand>=minute and minute<=56):

            message1= "The next train will arrive at",10,":",minhand

            break

        elif(minute>56):

            message1= "The next train will arrive at",11,":",04

            break

elif(hour==11):

    for minhand in range(4,60,6):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",11,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",12,":",06

            break


elif(hour==12):

    for minhand in range(6,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",12,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",13,":",02

            break

elif(hour==13):
```

```python
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",13,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",14,":",06
                break
    elif(hour==14):
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",15,":",02
                break
    elif(hour==15):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",16,":",06
                break
    elif(hour==16):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",17,":",00
                break
```

[79]

```python
        elif(hour==17):

            for minhand in range(0,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",17,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",18,":",00

                    break

    elif(hour==18):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",18,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",19,":",00

                break

    elif(hour==19):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",19,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",20,":",00

                break




    elif(hour==20):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",20,":",minhand

                break
```

```python
        elif(minute>54):

            message1= "The next train will arrive at",21,":",00

            break

    elif(hour==21):

        for minhand in range(0,60,8):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",21,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",22,":",02

                break

    elif(hour==22):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",22,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",23,":",04

                break

    elif(hour==23):

        for minhand in range(4,26,8):

            if(minhand>=minute):

                message1= "The next train will arrive at",23,":",minhand

                break

if (From=="Creek"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

        message1= "The next train will arrive at",5,":",45

    if (hour==5):

        if (minute>44):

            message1= "The next train will arrive at",5,":",45

        elif (minute>45):
```

```python
        message1= "The next train will arrive at",5,":",53

    elif(minute>53):

        message1= "The next train will arrive at",6,":",01

elif(hour==6):

    for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",6,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",7,":",06

            break

elif(hour==7):

    for minhand in range(6,60,8):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",7,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",8,":",02

            break

elif(hour==8):

    for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",8,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",9,":",06

            break

elif(hour==9):

    for minhand in range(6,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",9,":",minhand
```

```python
            break
        elif(minute>54):
            message1= "The next train will arrive at",10,":",02
            break
    elif(hour==10):
        for minhand in range(2,60,6):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",11,":",04
                break
    elif(hour==11):
        for minhand in range(4,60,6):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",11,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",12,":",06
                break


    elif(hour==12):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",12,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",13,":",02
                break
    elif(hour==13):
        for minhand in range(2,60,8):
```

```python
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",13,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",14,":",06
                break
    elif(hour==14):
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",15,":",02
                break
    elif(hour==15):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",16,":",06
                break
    elif(hour==16):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",17,":",00
                break
    elif(hour==17):
```

```python
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",18,":",00
                break
    elif(hour==18):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",19,":",00
                break
    elif(hour==19):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",20,":",00
                break




    elif(hour==20):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>54):
```

```python
            message1= "The next train will arrive at",21,":",00

            break

        elif(hour==21):

            for minhand in range(0,60,8):

                if(minhand>=minute and minute<=56):

                    message1= "The next train will arrive at",21,":",minhand

                    break

                elif(minute>56):

                    message1= "The next train will arrive at",22,":",02

                    break

        elif(hour==22):

            for minhand in range(2,60,8):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",22,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",23,":",04

                    break

        elif(hour==23):

            for minhand in range(4,26,8):

                if(minhand>=minute):

                    message1= "The next train will arrive at",23,":",minhand

                    break


    if (From=="Airport Free Zone"):

        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

            message1= "The next train will arrive at",5,":",45

        if (hour==5):

            if (minute>44):

                message1= "The next train will arrive at",5,":",45

            elif (minute>45):
```

```python
        message1= "The next train will arrive at",5,":",53

    elif(minute>53):

        message1= "The next train will arrive at",6,":",01

elif(hour==6):

    for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",6,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",7,":",06

            break

elif(hour==7):

    for minhand in range(6,60,8):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",7,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",8,":",02

            break

elif(hour==8):

    for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",8,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",9,":",06

            break

elif(hour==9):

    for minhand in range(6,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",9,":",minhand
```

```python
            break
        elif(minute>54):
            message1= "The next train will arrive at",10,":",02
            break
    elif(hour==10):
        for minhand in range(2,60,6):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",11,":",04
                break
    elif(hour==11):
        for minhand in range(4,60,6):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",11,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",12,":",06
                break

    elif(hour==12):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",12,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",13,":",02
                break
    elif(hour==13):
        for minhand in range(2,60,8):
```

```python
        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",13,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",14,":",06

            break

elif(hour==14):

    for minhand in range(6,60,8):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",14,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",15,":",02

            break

elif(hour==15):

    for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",15,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",16,":",06

            break

elif(hour==16):

    for minhand in range(6,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",16,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",17,":",00

            break

elif(hour==17):
```

```python
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",18,":",00
                break
    elif(hour==18):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",19,":",00
                break
    elif(hour==19):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",20,":",00
                break




    elif(hour==20):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>54):
```

```python
        message1= "The next train will arrive at",21,":",00

        break

    elif(hour==21):

      for minhand in range(0,60,8):

        if(minhand>=minute and minute<=56):

          message1= "The next train will arrive at",21,":",minhand

          break

        elif(minute>56):

          message1= "The next train will arrive at",22,":",02

          break

    elif(hour==22):

      for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

          message1= "The next train will arrive at",22,":",minhand

          break

        elif(minute>58):

          message1= "The next train will arrive at",23,":",04

          break

    elif(hour==23):

      for minhand in range(4,26,8):

        if(minhand>=minute):

          message1= "The next train will arrive at",23,":",minhand

          break

if (From=="Al Jafiliya"):

  if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

    message1= "The next train will arrive at",5,":",45

  if (hour==5):

    if (minute>44):

      message1= "The next train will arrive at",5,":",45

    elif (minute>45):

      message1= "The next train will arrive at",5,":",53
```

```python
        elif(minute>53):
            message1= "The next train will arrive at",6,":",01
    elif(hour==6):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",6,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",7,":",06
                break
    elif(hour==7):
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",7,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",8,":",02
                break
    elif(hour==8):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",8,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",9,":",06
                break
    elif(hour==9):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",9,":",minhand
                break
```

```python
        elif(minute>54):

            message1= "The next train will arrive at",10,":",02

            break

    elif(hour==10):

        for minhand in range(2,60,6):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",11,":",04

                break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",12,":",06

                break


    elif(hour==12):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",13,":",02

                break

    elif(hour==13):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):
```

```python
            message1= "The next train will arrive at",13,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",14,":",06
            break
elif(hour==14):
    for minhand in range(6,60,8):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",14,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",15,":",02
            break
elif(hour==15):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",15,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",16,":",06
            break
elif(hour==16):
    for minhand in range(6,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",16,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",17,":",00
            break
elif(hour==17):
    for minhand in range(0,60,6):
```

```python
            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",18,":",00

                break

    elif(hour==18):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",18,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",19,":",00

                break

    elif(hour==19):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",19,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",20,":",00

                break


    elif(hour==20):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",20,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",21,":",00
```

```python
            break
    elif(hour==21):
        for minhand in range(0,60,8):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",21,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",22,":",02
                break
    elif(hour==22):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",22,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",23,":",04
                break
    elif(hour==23):
        for minhand in range(4,26,8):
            if(minhand>=minute):
                message1= "The next train will arrive at",23,":",minhand
                break
if (From=="Emirates Towers"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",45
    if (hour==5):
        if (minute>44):
            message1= "The next train will arrive at",5,":",45
        elif (minute>45):
            message1= "The next train will arrive at",5,":",53
        elif(minute>53):
```

```python
        message1= "The next train will arrive at",6,":",01
elif(hour==6):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",6,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",7,":",06
            break
elif(hour==7):
    for minhand in range(6,60,8):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",7,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",8,":",02
            break
elif(hour==8):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",8,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",9,":",06
            break
elif(hour==9):
    for minhand in range(6,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",9,":",minhand
            break
        elif(minute>54):
```

```python
            message1= "The next train will arrive at",10,":",02

            break

    elif(hour==10):

        for minhand in range(2,60,6):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",11,":",04

                break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",12,":",06

                break


    elif(hour==12):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",13,":",02

                break

    elif(hour==13):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",13,":",minhand
```

[98]

```python
            break

        elif(minute>58):

            message1= "The next train will arrive at",14,":",06

            break

    elif(hour==14):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",14,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",15,":",02

                break

    elif(hour==15):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",15,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",16,":",06

                break

    elif(hour==16):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",16,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",17,":",00

                break

    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):
```

```python
            message1= "The next train will arrive at",17,":",minhand

            break

          elif(minute>54):

            message1= "The next train will arrive at",18,":",00

            break

    elif(hour==18):

      for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

          message1= "The next train will arrive at",18,":",minhand

          break

        elif(minute>54):

          message1= "The next train will arrive at",19,":",00

          break

    elif(hour==19):

      for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

          message1= "The next train will arrive at",19,":",minhand

          break

        elif(minute>54):

          message1= "The next train will arrive at",20,":",00

          break


    elif(hour==20):

      for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

          message1= "The next train will arrive at",20,":",minhand

          break

        elif(minute>54):

          message1= "The next train will arrive at",21,":",00

          break
```

```
        elif(hour==21):
          for minhand in range(0,60,8):
            if(minhand>=minute and minute<=56):
              message1= "The next train will arrive at",21,":",minhand
              break
            elif(minute>56):
              message1= "The next train will arrive at",22,":",02
              break
      elif(hour==22):
          for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
              message1= "The next train will arrive at",22,":",minhand
              break
            elif(minute>58):
              message1= "The next train will arrive at",23,":",04
              break
      elif(hour==23):
          for minhand in range(4,26,8):
            if(minhand>=minute):
              message1= "The next train will arrive at",23,":",minhand
              break
  if (From=="Burj Khalifa / Dubai Mall"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
      message1= "The next train will arrive at",5,":",45
    if (hour==5):
      if (minute>44):
        message1= "The next train will arrive at",5,":",45
      elif (minute>45):
        message1= "The next train will arrive at",5,":",53
      elif(minute>53):
        message1= "The next train will arrive at",6,":",01
```

[101]

```python
        elif(hour==6):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",6,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",7,":",06
                    break
        elif(hour==7):
            for minhand in range(6,60,8):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",7,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",8,":",02
                    break
        elif(hour==8):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",8,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",9,":",06
                    break
        elif(hour==9):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",9,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",10,":",02
```

```python
                    break
        elif(hour==10):
            for minhand in range(2,60,6):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",10,":",minhand
                    break
                elif(minute>56):
                    message1= "The next train will arrive at",11,":",04
                    break
        elif(hour==11):
            for minhand in range(4,60,6):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",11,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",12,":",06
                    break


        elif(hour==12):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",12,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",13,":",02
                    break
        elif(hour==13):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",13,":",minhand
                    break
```

```python
        elif(minute>58):

            message1= "The next train will arrive at",14,":",06

            break

    elif(hour==14):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",14,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",15,":",02

                break

    elif(hour==15):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",15,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",16,":",06

                break

    elif(hour==16):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",16,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",17,":",00

                break

    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand
```

```python
            break
        elif(minute>54):
            message1= "The next train will arrive at",18,":",00
            break
    elif(hour==18):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",19,":",00
                break
    elif(hour==19):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",20,":",00
                break


    elif(hour==20):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",21,":",00
                break
    elif(hour==21):
```

```python
        for minhand in range(0,60,8):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",21,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",22,":",02
                break
    elif(hour==22):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",22,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",23,":",04
                break
    elif(hour==23):
        for minhand in range(4,26,8):
            if(minhand>=minute):
                message1= "The next train will arrive at",23,":",minhand
                break
if (From=="Business Bay"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",47
    if (hour==5):
        if (minute>44):
            message1= "The next train will arrive at",5,":",47
        elif (minute>45):
            message1= "The next train will arrive at",5,":",55
        elif(minute>53):
            message1= "The next train will arrive at",6,":",03
    elif(hour==6):
```

```python
        for minhand in range(3,60,8):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",6,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",7,":",07
                break
elif(hour==7):
    for minhand in range(7,60,8):
        if(minhand>=minute and minute<=55):
            message1= "The next train will arrive at",7,":",minhand
            break
        elif(minute>55):
            message1= "The next train will arrive at",8,":",03
            break
elif(hour==8):
    for minhand in range(3,60,8):
        if(minhand>=minute and minute<=59):
            message1= "The next train will arrive at",8,":",minhand
            break
        elif(minute>59):
            message1= "The next train will arrive at",9,":",07
            break
elif(hour==9):
    for minhand in range(7,60,6):
        if(minhand>=minute and minute<=55):
            message1= "The next train will arrive at",9,":",minhand
            break
        elif(minute>55):
            message1= "The next train will arrive at",10,":",01
            break
```

```python
        elif(hour==10):
            for minhand in range(1,60,6):
                if(minhand>=minute and minute<=55):
                    message1= "The next train will arrive at",10,":",minhand
                    break
                elif(minute>55):
                    message1= "The next train will arrive at",11,":",01
                    break
        elif(hour==11):
            for minhand in range(1,60,6):
                if(minhand>=minute and minute<=55):
                    message1= "The next train will arrive at",11,":",minhand
                    break
                elif(minute>55):
                    message1= "The next train will arrive at",12,":",01
                    break


        elif(hour==12):
            for minhand in range(1,60,6):
                if(minhand>=minute and minute<=55):
                    message1= "The next train will arrive at",12,":",minhand
                    break
                elif(minute>55):
                    message1= "The next train will arrive at",13,":",01
                    break
        elif(hour==13):
            for minhand in range(1,60,8):
                if(minhand>=minute and minute<=57):
                    message1= "The next train will arrive at",13,":",minhand
                    break
                elif(minute>57):
```

```python
                message1= "The next train will arrive at",14,":",05

                break

        elif(hour==14):

            for minhand in range(5,60,8):

                if(minhand>=minute and minute<=53):

                    message1= "The next train will arrive at",14,":",minhand

                    break

                elif(minute>53):

                    message1= "The next train will arrive at",15,":",01

                    break

        elif(hour==15):

            for minhand in range(1,60,8):

                if(minhand>=minute and minute<=57):

                    message1= "The next train will arrive at",15,":",minhand

                    break

                elif(minute>57):

                    message1= "The next train will arrive at",16,":",05

                    break

        elif(hour==16):

            for minhand in range(5,60,6):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",16,":",minhand

                    break

                elif(minute>59):

                    message1= "The next train will arrive at",17,":",05

                    break

        elif(hour==17):

            for minhand in range(5,60,6):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",17,":",minhand

                    break
```

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```
                elif(minute>59):

                    message1= "The next train will arrive at",18,":",05

                    break

        elif(hour==18):

            for minhand in range(5,60,6):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",18,":",minhand

                    break

                elif(minute>59):

                    message1= "The next train will arrive at",19,":",05

                    break

        elif(hour==19):

            for minhand in range(5,60,6):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",19,":",minhand

                    break

                elif(minute>59):

                    message1= "The next train will arrive at",20,":",05

                    break


        elif(hour==20):

            for minhand in range(5,60,6):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",20,":",minhand

                    break

                elif(minute>59):

                    message1= "The next train will arrive at",21,":",05

                    break

        elif(hour==21):

            for minhand in range(5,60,8):
```

```python
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",21,":",minhand
                break
            elif(minute>53):
                message1= "The next train will arrive at",22,":",01
                break
    elif(hour==22):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",22,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",23,":",05
                break
    elif(hour==23):
        for minhand in range(5,29,8):
            if(minhand>=minute):
                message1= "The next train will arrive at",23,":",minhand
                break
if (From==" Dubai International Financial Centre "):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",47
    if (hour==5):
        if (minute>44):
            message1= "The next train will arrive at",5,":",47
        elif (minute>45):
            message1= "The next train will arrive at",5,":",55
        elif(minute>53):
            message1= "The next train will arrive at",6,":",03
    elif(hour==6):
        for minhand in range(3,60,8):
```

```python
            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",6,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",7,":",07

                break

    elif(hour==7):

        for minhand in range(7,60,8):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",8,":",03

                break

    elif(hour==8):

        for minhand in range(3,60,8):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",9,":",07

                break

    elif(hour==9):

        for minhand in range(7,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",10,":",01

                break

    elif(hour==10):
```

```python
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",11,":",01
                break
    elif(hour==11):
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",11,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",12,":",01
                break


    elif(hour==12):
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",12,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",13,":",01
                break
    elif(hour==13):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",13,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",14,":",05
```

[113]

```python
        break
elif(hour==14):
    for minhand in range(5,60,8):
        if(minhand>=minute and minute<=53):
            message1= "The next train will arrive at",14,":",minhand
            break
        elif(minute>53):
            message1= "The next train will arrive at",15,":",01
            break
elif(hour==15):
    for minhand in range(1,60,8):
        if(minhand>=minute and minute<=57):
            message1= "The next train will arrive at",15,":",minhand
            break
        elif(minute>57):
            message1= "The next train will arrive at",16,":",05
            break
elif(hour==16):
    for minhand in range(5,60,6):
        if(minhand>=minute and minute<=59):
            message1= "The next train will arrive at",16,":",minhand
            break
        elif(minute>59):
            message1= "The next train will arrive at",17,":",05
            break
elif(hour==17):
    for minhand in range(5,60,6):
        if(minhand>=minute and minute<=59):
            message1= "The next train will arrive at",17,":",minhand
            break
        elif(minute>59):
```

```python
            message1= "The next train will arrive at",18,":",05

            break

    elif(hour==18):

        for minhand in range(5,60,6):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",18,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",19,":",05

                break

    elif(hour==19):

        for minhand in range(5,60,6):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",19,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",20,":",05

                break




    elif(hour==20):

        for minhand in range(5,60,6):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",20,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",21,":",05

                break

    elif(hour==21):

        for minhand in range(5,60,8):

            if(minhand>=minute and minute<=53):
```

[115]

```python
            message1= "The next train will arrive at",21,":",minhand

            break

          elif(minute>53):

            message1= "The next train will arrive at",22,":",01

            break

      elif(hour==22):

        for minhand in range(1,60,8):

          if(minhand>=minute and minute<=57):

            message1= "The next train will arrive at",22,":",minhand

            break

          elif(minute>57):

            message1= "The next train will arrive at",23,":",05

            break

      elif(hour==23):

        for minhand in range(5,29,8):

          if(minhand>=minute):

            message1= "The next train will arrive at",23,":",minhand

            break

  if (From=="Dubai World Trade Centre "):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

      message1= "The next train will arrive at",5,":",47

    if (hour==5):

      if (minute>44):

        message1= "The next train will arrive at",5,":",47

      elif (minute>45):

        message1= "The next train will arrive at",5,":",55

      elif(minute>53):

        message1= "The next train will arrive at",6,":",03

    elif(hour==6):

      for minhand in range(3,60,8):

        if(minhand>=minute and minute<=59):
```

```
                message1= "The next train will arrive at",6,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",7,":",07

                break

    elif(hour==7):

        for minhand in range(7,60,8):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",8,":",03

                break

    elif(hour==8):

        for minhand in range(3,60,8):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",9,":",07

                break

    elif(hour==9):

        for minhand in range(7,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",10,":",01

                break

    elif(hour==10):

        for minhand in range(1,60,6):
```

```python
            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",11,":",01

                break

    elif(hour==11):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",12,":",01

                break


    elif(hour==12):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",13,":",01

                break

    elif(hour==13):

        for minhand in range(1,60,8):

            if(minhand>=minute and minute<=57):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>57):

                message1= "The next train will arrive at",14,":",05

                break
```

[118]

```
        elif(hour==14):
            for minhand in range(5,60,8):
                if(minhand>=minute and minute<=53):
                    message1= "The next train will arrive at",14,":",minhand
                    break
                elif(minute>53):
                    message1= "The next train will arrive at",15,":",01
                    break
        elif(hour==15):
            for minhand in range(1,60,8):
                if(minhand>=minute and minute<=57):
                    message1= "The next train will arrive at",15,":",minhand
                    break
                elif(minute>57):
                    message1= "The next train will arrive at",16,":",05
                    break
        elif(hour==16):
            for minhand in range(5,60,6):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",16,":",minhand
                    break
                elif(minute>59):
                    message1= "The next train will arrive at",17,":",05
                    break
        elif(hour==17):
            for minhand in range(5,60,6):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",17,":",minhand
                    break
                elif(minute>59):
                    message1= "The next train will arrive at",18,":",05
```

```python
            break
    elif(hour==18):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",19,":",05
                break
    elif(hour==19):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",20,":",05
                break



    elif(hour==20):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",21,":",05
                break
    elif(hour==21):
        for minhand in range(5,60,8):
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",21,":",minhand
```

```python
            break

        elif(minute>53):

            message1= "The next train will arrive at",22,":",01

            break

    elif(hour==22):

        for minhand in range(1,60,8):

            if(minhand>=minute and minute<=57):

                message1= "The next train will arrive at",22,":",minhand

                break

            elif(minute>57):

                message1= "The next train will arrive at",23,":",05

                break

    elif(hour==23):

        for minhand in range(5,29,8):

            if(minhand>=minute):

                message1= "The next train will arrive at",23,":",minhand

                break

if (From=="Palm Deira"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

        message1= "The next train will arrive at",5,":",47

    if (hour==5):

        if (minute>44):

            message1= "The next train will arrive at",5,":",47

        elif (minute>45):

            message1= "The next train will arrive at",5,":",55

        elif(minute>53):

            message1= "The next train will arrive at",6,":",03

    elif(hour==6):

        for minhand in range(3,60,8):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",6,":",minhand
```

```python
            break

        elif(minute>59):

            message1= "The next train will arrive at",7,":",07

            break

    elif(hour==7):

        for minhand in range(7,60,8):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",8,":",03

                break

    elif(hour==8):

        for minhand in range(3,60,8):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",9,":",07

                break

    elif(hour==9):

        for minhand in range(7,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",10,":",01

                break

    elif(hour==10):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):
```

```python
            message1= "The next train will arrive at",10,":",minhand

            break

        elif(minute>55):

            message1= "The next train will arrive at",11,":",01

            break

elif(hour==11):

    for minhand in range(1,60,6):

        if(minhand>=minute and minute<=55):

            message1= "The next train will arrive at",11,":",minhand

            break

        elif(minute>55):

            message1= "The next train will arrive at",12,":",01

            break


elif(hour==12):

    for minhand in range(1,60,6):

        if(minhand>=minute and minute<=55):

            message1= "The next train will arrive at",12,":",minhand

            break

        elif(minute>55):

            message1= "The next train will arrive at",13,":",01

            break

elif(hour==13):

    for minhand in range(1,60,8):

        if(minhand>=minute and minute<=57):

            message1= "The next train will arrive at",13,":",minhand

            break

        elif(minute>57):

            message1= "The next train will arrive at",14,":",05

            break

elif(hour==14):
```

[123]

```python
        for minhand in range(5,60,8):
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>53):
                message1= "The next train will arrive at",15,":",01
                break
    elif(hour==15):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",16,":",05
                break
    elif(hour==16):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",17,":",05
                break
    elif(hour==17):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",18,":",05
                break
```

[124]

```python
    elif(hour==18):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",19,":",05
                break
    elif(hour==19):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",20,":",05
                break


    elif(hour==20):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",21,":",05
                break
    elif(hour==21):
        for minhand in range(5,60,8):
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",21,":",minhand
                break
```

```python
            elif(minute>53):
                message1= "The next train will arrive at",22,":",01
                break
        elif(hour==22):
            for minhand in range(1,60,8):
                if(minhand>=minute and minute<=57):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>57):
                    message1= "The next train will arrive at",23,":",05
                    break
        elif(hour==23):
            for minhand in range(5,29,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
                    break


    if (From=="Airport Terminal-3"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
            message1= "The next train will arrive at",5,":",47
        if (hour==5):
            if (minute>44):
                message1= "The next train will arrive at",5,":",47
            elif (minute>45):
                message1= "The next train will arrive at",5,":",55
            elif(minute>53):
                message1= "The next train will arrive at",6,":",03
        elif(hour==6):
            for minhand in range(3,60,8):
                if(minhand>=minute and minute<=59):
```

[126]

```python
            message1= "The next train will arrive at",6,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",7,":",07

            break

elif(hour==7):

    for minhand in range(7,60,8):

        if(minhand>=minute and minute<=55):

            message1= "The next train will arrive at",7,":",minhand

            break

        elif(minute>55):

            message1= "The next train will arrive at",8,":",03

            break

elif(hour==8):

    for minhand in range(3,60,8):

        if(minhand>=minute and minute<=59):

            message1= "The next train will arrive at",8,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",9,":",07

            break

elif(hour==9):

    for minhand in range(7,60,6):

        if(minhand>=minute and minute<=55):

            message1= "The next train will arrive at",9,":",minhand

            break

        elif(minute>55):

            message1= "The next train will arrive at",10,":",01

            break

elif(hour==10):

    for minhand in range(1,60,6):
```

[127]

```python
        if(minhand>=minute and minute<=55):

            message1= "The next train will arrive at",10,":",minhand

            break

        elif(minute>55):

            message1= "The next train will arrive at",11,":",01

            break

    elif(hour==11):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",12,":",01

                break


    elif(hour==12):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",13,":",01

                break

    elif(hour==13):

        for minhand in range(1,60,8):

            if(minhand>=minute and minute<=57):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>57):

                message1= "The next train will arrive at",14,":",05

                break
```

[128]

```python
        elif(hour==14):
            for minhand in range(5,60,8):
                if(minhand>=minute and minute<=53):
                    message1= "The next train will arrive at",14,":",minhand
                    break
                elif(minute>53):
                    message1= "The next train will arrive at",15,":",01
                    break
    elif(hour==15):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",16,":",05
                break
    elif(hour==16):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",17,":",05
                break
    elif(hour==17):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",18,":",05
```

```python
            break
    elif(hour==18):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",19,":",05
                break
    elif(hour==19):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",20,":",05
                break


    elif(hour==20):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",21,":",05
                break
    elif(hour==21):
        for minhand in range(5,60,8):
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",21,":",minhand
```

```
                break
            elif(minute>53):
                message1= "The next train will arrive at",22,":",01
                break
        elif(hour==22):
            for minhand in range(1,60,8):
                if(minhand>=minute and minute<=57):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>57):
                    message1= "The next train will arrive at",23,":",05
                    break
        elif(hour==23):
            for minhand in range(5,29,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
                    break
    if (From=="GGICO"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
            message1= "The next train will arrive at",5,":",47
        if (hour==5):
            if (minute>44):
                message1= "The next train will arrive at",5,":",47
            elif (minute>45):
                message1= "The next train will arrive at",5,":",55
            elif(minute>53):
                message1= "The next train will arrive at",6,":",03
        elif(hour==6):
            for minhand in range(3,60,8):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",6,":",minhand
```

```python
            break

        elif(minute>59):

            message1= "The next train will arrive at",7,":",07

            break

    elif(hour==7):

        for minhand in range(7,60,8):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",8,":",03

                break

    elif(hour==8):

        for minhand in range(3,60,8):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",9,":",07

                break

    elif(hour==9):

        for minhand in range(7,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",10,":",01

                break

    elif(hour==10):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):
```

```python
                    message1= "The next train will arrive at",10,":",minhand

                    break

                elif(minute>55):

                    message1= "The next train will arrive at",11,":",01

                    break

        elif(hour==11):

            for minhand in range(1,60,6):

                if(minhand>=minute and minute<=55):

                    message1= "The next train will arrive at",11,":",minhand

                    break

                elif(minute>55):

                    message1= "The next train will arrive at",12,":",01

                    break


        elif(hour==12):

            for minhand in range(1,60,6):

                if(minhand>=minute and minute<=55):

                    message1= "The next train will arrive at",12,":",minhand

                    break

                elif(minute>55):

                    message1= "The next train will arrive at",13,":",01

                    break

        elif(hour==13):

            for minhand in range(1,60,8):

                if(minhand>=minute and minute<=57):

                    message1= "The next train will arrive at",13,":",minhand

                    break

                elif(minute>57):

                    message1= "The next train will arrive at",14,":",05

                    break

        elif(hour==14):
```

```python
        for minhand in range(5,60,8):
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>53):
                message1= "The next train will arrive at",15,":",01
                break
elif(hour==15):
    for minhand in range(1,60,8):
        if(minhand>=minute and minute<=57):
            message1= "The next train will arrive at",15,":",minhand
            break
        elif(minute>57):
            message1= "The next train will arrive at",16,":",05
            break
elif(hour==16):
    for minhand in range(5,60,6):
        if(minhand>=minute and minute<=59):
            message1= "The next train will arrive at",16,":",minhand
            break
        elif(minute>59):
            message1= "The next train will arrive at",17,":",05
            break
elif(hour==17):
    for minhand in range(5,60,6):
        if(minhand>=minute and minute<=59):
            message1= "The next train will arrive at",17,":",minhand
            break
        elif(minute>59):
            message1= "The next train will arrive at",18,":",05
            break
```

[134]

```python
        elif(hour==18):
            for minhand in range(5,60,6):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",18,":",minhand
                    break
                elif(minute>59):
                    message1= "The next train will arrive at",19,":",05
                    break
        elif(hour==19):
            for minhand in range(5,60,6):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",19,":",minhand
                    break
                elif(minute>59):
                    message1= "The next train will arrive at",20,":",05
                    break




        elif(hour==20):
            for minhand in range(5,60,6):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",20,":",minhand
                    break
                elif(minute>59):
                    message1= "The next train will arrive at",21,":",05
                    break
        elif(hour==21):
            for minhand in range(5,60,8):
                if(minhand>=minute and minute<=53):
                    message1= "The next train will arrive at",21,":",minhand
                    break
```

```python
            elif(minute>53):

                message1= "The next train will arrive at",22,":",01

                break

        elif(hour==22):

            for minhand in range(1,60,8):

                if(minhand>=minute and minute<=57):

                    message1= "The next train will arrive at",22,":",minhand

                    break

                elif(minute>57):

                    message1= "The next train will arrive at",23,":",05

                    break

        elif(hour==23):

            for minhand in range(5,29,8):

                if(minhand>=minute):

                    message1= "The next train will arrive at",23,":",minhand

                    break

    if (From=="Abu Bakr Seddiq"):

        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

            message1= "The next train will arrive at",5,":",47

        if (hour==5):

            if (minute>44):

                message1= "The next train will arrive at",5,":",47

            elif (minute>45):

                message1= "The next train will arrive at",5,":",55

            elif(minute>53):

                message1= "The next train will arrive at",6,":",03

        elif(hour==6):

            for minhand in range(3,60,8):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",6,":",minhand

                    break
```

```python
        elif(minute>59):

            message1= "The next train will arrive at",7,":",07

            break

    elif(hour==7):

        for minhand in range(7,60,8):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",8,":",03

                break

    elif(hour==8):

        for minhand in range(3,60,8):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",9,":",07

                break

    elif(hour==9):

        for minhand in range(7,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",10,":",01

                break

    elif(hour==10):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",10,":",minhand
```

```
                    break

                elif(minute>55):

                    message1= "The next train will arrive at",11,":",01

                    break

        elif(hour==11):

            for minhand in range(1,60,6):

                if(minhand>=minute and minute<=55):

                    message1= "The next train will arrive at",11,":",minhand

                    break

                elif(minute>55):

                    message1= "The next train will arrive at",12,":",01

                    break


        elif(hour==12):

            for minhand in range(1,60,6):

                if(minhand>=minute and minute<=55):

                    message1= "The next train will arrive at",12,":",minhand

                    break

                elif(minute>55):

                    message1= "The next train will arrive at",13,":",01

                    break

        elif(hour==13):

            for minhand in range(1,60,8):

                if(minhand>=minute and minute<=57):

                    message1= "The next train will arrive at",13,":",minhand

                    break

                elif(minute>57):

                    message1= "The next train will arrive at",14,":",05

                    break

        elif(hour==14):

            for minhand in range(5,60,8):
```

```python
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>53):
                message1= "The next train will arrive at",15,":",01
                break
    elif(hour==15):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",16,":",05
                break
    elif(hour==16):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",17,":",05
                break
    elif(hour==17):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",18,":",05
                break
    elif(hour==18):
```

```python
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",19,":",05
                break
    elif(hour==19):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",20,":",05
                break


    elif(hour==20):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",21,":",05
                break
    elif(hour==21):
        for minhand in range(5,60,8):
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",21,":",minhand
                break
            elif(minute>53):
```

[140]

```
                    message1= "The next train will arrive at",22,":",01

                    break

            elif(hour==22):

              for minhand in range(1,60,8):

                if(minhand>=minute and minute<=57):

                  message1= "The next train will arrive at",22,":",minhand

                  break

                elif(minute>57):

                  message1= "The next train will arrive at",23,":",05

                  break

            elif(hour==23):

              for minhand in range(5,29,8):

                if(minhand>=minute):

                  message1= "The next train will arrive at",23,":",minhand

                  break



    if (From=="Rashid Stadium"):

      if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

        message1= "The next train will arrive at",5,":",47

      if (hour==5):

        if (minute>44):

          message1= "The next train will arrive at",5,":",47

        elif (minute>45):

          message1= "The next train will arrive at",5,":",55

        elif(minute>53):

          message1= "The next train will arrive at",6,":",03

      elif(hour==6):

        for minhand in range(3,60,8):

          if(minhand>=minute and minute<=59):

            message1= "The next train will arrive at",6,":",minhand
```

```python
                break

            elif(minute>59):

                message1= "The next train will arrive at",7,":",07

                break

    elif(hour==7):

        for minhand in range(7,60,8):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",8,":",03

                break

    elif(hour==8):

        for minhand in range(3,60,8):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",9,":",07

                break

    elif(hour==9):

        for minhand in range(7,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",10,":",01

                break

    elif(hour==10):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):
```
[142]

```python
                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",11,":",01

                break

    elif(hour==11):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",12,":",01

                break


    elif(hour==12):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",13,":",01

                break

    elif(hour==13):

        for minhand in range(1,60,8):

            if(minhand>=minute and minute<=57):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>57):

                message1= "The next train will arrive at",14,":",05

                break

    elif(hour==14):
```

[143]

```python
        for minhand in range(5,60,8):
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>53):
                message1= "The next train will arrive at",15,":",01
                break
    elif(hour==15):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",16,":",05
                break
    elif(hour==16):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",17,":",05
                break
    elif(hour==17):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",18,":",05
                break
```

[144]

```python
        elif(hour==18):

            for minhand in range(5,60,6):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",18,":",minhand

                    break

                elif(minute>59):

                    message1= "The next train will arrive at",19,":",05

                    break

        elif(hour==19):

            for minhand in range(5,60,6):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",19,":",minhand

                    break

                elif(minute>59):

                    message1= "The next train will arrive at",20,":",05

                    break



        elif(hour==20):

            for minhand in range(5,60,6):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",20,":",minhand

                    break

                elif(minute>59):

                    message1= "The next train will arrive at",21,":",05

                    break

        elif(hour==21):

            for minhand in range(5,60,8):

                if(minhand>=minute and minute<=53):

                    message1= "The next train will arrive at",21,":",minhand

                    break
```

```python
        elif(minute>53):
            message1= "The next train will arrive at",22,":",01
            break
    elif(hour==22):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",22,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",23,":",05
                break
    elif(hour==23):
        for minhand in range(5,29,8):
            if(minhand>=minute):
                message1= "The next train will arrive at",23,":",minhand
                break


if (From=="Baniyas Square"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",45
    if (hour==5):
        if (minute>44):
            message1= "The next train will arrive at",5,":",45
        elif (minute>45):
            message1= "The next train will arrive at",5,":",53
        elif(minute>53):
            message1= "The next train will arrive at",6,":",01
    elif(hour==6):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",6,":",minhand
```

[146]

```python
            break

        elif(minute>58):

            message1= "The next train will arrive at",7,":",06

            break

    elif(hour==7):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",8,":",02

                break

    elif(hour==8):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",9,":",06

                break

    elif(hour==9):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",10,":",02

                break

    elif(hour==10):

        for minhand in range(2,60,6):

            if(minhand>=minute and minute<=56):
```

[147]

```python
            message1= "The next train will arrive at",10,":",minhand

            break

        elif(minute>56):

            message1= "The next train will arrive at",11,":",04

            break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",12,":",06

                break


    elif(hour==12):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",13,":",02

                break

    elif(hour==13):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",14,":",06

                break

    elif(hour==14):
```

```python
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",15,":",02
                break
    elif(hour==15):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",16,":",06
                break
    elif(hour==16):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",17,":",00
                break
    elif(hour==17):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",18,":",00
                break
```

[149]

```python
        elif(hour==18):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",18,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",19,":",00
                    break
        elif(hour==19):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",19,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",20,":",00
                    break



        elif(hour==20):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",20,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",21,":",00
                    break
        elif(hour==21):
            for minhand in range(0,60,8):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",21,":",minhand
                    break
```

```python
        elif(minute>56):

            message1= "The next train will arrive at",22,":",02

            break

    elif(hour==22):

      for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

          message1= "The next train will arrive at",22,":",minhand

          break

        elif(minute>58):

          message1= "The next train will arrive at",23,":",04

          break

    elif(hour==23):

      for minhand in range(4,26,8):

        if(minhand>=minute):

          message1= "The next train will arrive at",23,":",minhand

          break


  if (From=="Airport Terminal-1"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

      message1= "The next train will arrive at",5,":",45

    if (hour==5):

      if (minute>44):

        message1= "The next train will arrive at",5,":",45

      elif (minute>45):

        message1= "The next train will arrive at",5,":",53

      elif(minute>53):

        message1= "The next train will arrive at",6,":",01

    elif(hour==6):

      for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

          message1= "The next train will arrive at",6,":",minhand
```

[151]

```python
                break
            elif(minute>58):
                message1= "The next train will arrive at",7,":",06
                break
    elif(hour==7):
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",7,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",8,":",02
                break
    elif(hour==8):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",8,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",9,":",06
                break
    elif(hour==9):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",9,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",10,":",02
                break
    elif(hour==10):
        for minhand in range(2,60,6):
            if(minhand>=minute and minute<=56):
```

```python
            message1= "The next train will arrive at",10,":",minhand
            break
        elif(minute>56):
            message1= "The next train will arrive at",11,":",04
            break
elif(hour==11):
    for minhand in range(4,60,6):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",11,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",12,":",06
            break


elif(hour==12):
    for minhand in range(6,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",12,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",13,":",02
            break
elif(hour==13):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",13,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",14,":",06
            break
elif(hour==14):
```

[153]

```python
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",15,":",02
                break
    elif(hour==15):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",16,":",06
                break
    elif(hour==16):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",17,":",00
                break
    elif(hour==17):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",18,":",00
                break
```

```python
        elif(hour==18):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",18,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",19,":",00
                    break
        elif(hour==19):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",19,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",20,":",00
                    break


        elif(hour==20):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",20,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",21,":",00
                    break
        elif(hour==21):
            for minhand in range(0,60,8):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",21,":",minhand
                    break
```

```python
            elif(minute>56):
                message1= "The next train will arrive at",22,":",02
                break
        elif(hour==22):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",23,":",04
                    break
        elif(hour==23):
            for minhand in range(4,26,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
                    break



    if (From=="Emirates"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
            message1= "The next train will arrive at",5,":",45
        if (hour==5):
            if (minute>44):
                message1= "The next train will arrive at",5,":",45
            elif (minute>45):
                message1= "The next train will arrive at",5,":",53
            elif(minute>53):
                message1= "The next train will arrive at",6,":",01
        elif(hour==6):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
```

```python
            message1= "The next train will arrive at",6,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",7,":",06
            break
elif(hour==7):
    for minhand in range(6,60,8):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",7,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",8,":",02
            break
elif(hour==8):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",8,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",9,":",06
            break
elif(hour==9):
    for minhand in range(6,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",9,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",10,":",02
            break
elif(hour==10):
    for minhand in range(2,60,6):
```

```python
            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",11,":",04

                break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",12,":",06

                break


    elif(hour==12):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",13,":",02

                break

    elif(hour==13):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",14,":",06

                break
```

```python
        elif(hour==14):
            for minhand in range(6,60,8):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",14,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",15,":",02
                    break
        elif(hour==15):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",15,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",16,":",06
                    break
        elif(hour==16):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",16,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",17,":",00
                    break
        elif(hour==17):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",17,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",18,":",00
```

```python
            break
    elif(hour==18):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",19,":",00
                break
    elif(hour==19):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",20,":",00
                break


    elif(hour==20):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",21,":",00
                break
    elif(hour==21):
        for minhand in range(0,60,8):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",21,":",minhand
```

```python
            break

        elif(minute>56):

            message1= "The next train will arrive at",22,":",02

            break

    elif(hour==22):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",22,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",23,":",04

                break

    elif(hour==23):

        for minhand in range(4,26,8):

            if(minhand>=minute):

                message1= "The next train will arrive at",23,":",minhand

                break




if (From=="Salahuddin"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

        message1= "The next train will arrive at",5,":",45

    if (hour==5):

        if (minute>44):

            message1= "The next train will arrive at",5,":",45

        elif (minute>45):

            message1= "The next train will arrive at",5,":",53

        elif(minute>53):

            message1= "The next train will arrive at",6,":",01

    elif(hour==6):
```

[161]

```python
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",6,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",7,":",06
                break
    elif(hour==7):
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",7,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",8,":",02
                break
    elif(hour==8):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",8,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",9,":",06
                break
    elif(hour==9):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",9,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",10,":",02
                break
```

[162]

```python
    elif(hour==10):
        for minhand in range(2,60,6):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",11,":",04
                break
    elif(hour==11):
        for minhand in range(4,60,6):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",11,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",12,":",06
                break


    elif(hour==12):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",12,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",13,":",02
                break
    elif(hour==13):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",13,":",minhand
                break
            elif(minute>58):
```

```python
            message1= "The next train will arrive at",14,":",06

            break

    elif(hour==14):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",14,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",15,":",02

                break

    elif(hour==15):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",15,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",16,":",06

                break

    elif(hour==16):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",16,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",17,":",00

                break

    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand

                break
```

[164]

```python
            elif(minute>54):

                message1= "The next train will arrive at",18,":",00

                break

        elif(hour==18):

            for minhand in range(0,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",18,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",19,":",00

                    break

        elif(hour==19):

            for minhand in range(0,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",19,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",20,":",00

                    break


        elif(hour==20):

            for minhand in range(0,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",20,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",21,":",00

                    break

        elif(hour==21):

            for minhand in range(0,60,8):
```

[165]

```python
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",21,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",22,":",02
                break
    elif(hour==22):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",22,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",23,":",04
                break
    elif(hour==23):
        for minhand in range(4,26,8):
            if(minhand>=minute):
                message1= "The next train will arrive at",23,":",minhand
                break


if (From=="Deira City Centre"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",45
    if (hour==5):
        if (minute>44):
            message1= "The next train will arrive at",5,":",45
        elif (minute>45):
            message1= "The next train will arrive at",5,":",53
        elif(minute>53):
            message1= "The next train will arrive at",6,":",01
```

```python
        elif(hour==6):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",6,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",7,":",06
                    break
        elif(hour==7):
            for minhand in range(6,60,8):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",7,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",8,":",02
                    break
        elif(hour==8):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",8,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",9,":",06
                    break
        elif(hour==9):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",9,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",10,":",02
```

```python
            break
    elif(hour==10):
        for minhand in range(2,60,6):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",11,":",04
                break
    elif(hour==11):
        for minhand in range(4,60,6):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",11,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",12,":",06
                break


    elif(hour==12):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",12,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",13,":",02
                break
    elif(hour==13):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",13,":",minhand
                break
```

```
            elif(minute>58):

                message1= "The next train will arrive at",14,":",06

                break

        elif(hour==14):

            for minhand in range(6,60,8):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",14,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",15,":",02

                    break

        elif(hour==15):

            for minhand in range(2,60,8):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",15,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",16,":",06

                    break

        elif(hour==16):

            for minhand in range(6,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",16,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",17,":",00

                    break

        elif(hour==17):

            for minhand in range(0,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",17,":",minhand
```

[169]

```python
        break

    elif(minute>54):

        message1= "The next train will arrive at",18,":",00

        break

elif(hour==18):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",18,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",19,":",00

            break

elif(hour==19):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",19,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",20,":",00

            break


elif(hour==20):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",20,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",21,":",00

            break

elif(hour==21):
```

```python
            for minhand in range(0,60,8):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",21,":",minhand
                    break
                elif(minute>56):
                    message1= "The next train will arrive at",22,":",02
                    break
        elif(hour==22):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",23,":",04
                    break
        elif(hour==23):
            for minhand in range(4,26,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
                    break


    if (From=="Al Nahda"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
            message1= "The next train will arrive at",5,":",45
        if (hour==5):
            if (minute>44):
                message1= "The next train will arrive at",5,":",45
            elif (minute>45):
                message1= "The next train will arrive at",5,":",53
            elif(minute>53):
                message1= "The next train will arrive at",6,":",01
```

[171]

```python
        elif(hour==6):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",6,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",7,":",06
                    break
        elif(hour==7):
            for minhand in range(6,60,8):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",7,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",8,":",02
                    break
        elif(hour==8):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",8,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",9,":",06
                    break
        elif(hour==9):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",9,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",10,":",02
```

```python
            break
elif(hour==10):
    for minhand in range(2,60,6):
        if(minhand>=minute and minute<=56):
            message1= "The next train will arrive at",10,":",minhand
            break
        elif(minute>56):
            message1= "The next train will arrive at",11,":",04
            break
elif(hour==11):
    for minhand in range(4,60,6):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",11,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",12,":",06
            break


elif(hour==12):
    for minhand in range(6,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",12,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",13,":",02
            break
elif(hour==13):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",13,":",minhand
            break
```

[173]

```python
        elif(minute>58):

            message1= "The next train will arrive at",14,":",06

            break

    elif(hour==14):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",14,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",15,":",02

                break

    elif(hour==15):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",15,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",16,":",06

                break

    elif(hour==16):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",16,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",17,":",00

                break

    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand
```

```python
            break
        elif(minute>54):
            message1= "The next train will arrive at",18,":",00
            break
elif(hour==18):
    for minhand in range(0,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",18,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",19,":",00
            break
elif(hour==19):
    for minhand in range(0,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",19,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",20,":",00
            break


elif(hour==20):
    for minhand in range(0,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",20,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",21,":",00
            break
elif(hour==21):
```

```python
        for minhand in range(0,60,8):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",21,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",22,":",02
                break
    elif(hour==22):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",22,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",23,":",04
                break
    elif(hour==23):
        for minhand in range(4,26,8):
            if(minhand>=minute):
                message1= "The next train will arrive at",23,":",minhand
                break
if (From=="Al Qiyadah"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",45
    if (hour==5):
        if (minute>44):
            message1= "The next train will arrive at",5,":",45
        elif (minute>45):
            message1= "The next train will arrive at",5,":",53
        elif(minute>53):
            message1= "The next train will arrive at",6,":",01
    elif(hour==6):
```

[176]

```python
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",6,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",7,":",06
                break
elif(hour==7):
    for minhand in range(6,60,8):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",7,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",8,":",02
            break
elif(hour==8):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",8,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",9,":",06
            break
elif(hour==9):
    for minhand in range(6,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",9,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",10,":",02
            break
```

```python
        elif(hour==10):
            for minhand in range(2,60,6):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",10,":",minhand
                    break
                elif(minute>56):
                    message1= "The next train will arrive at",11,":",04
                    break
        elif(hour==11):
            for minhand in range(4,60,6):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",11,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",12,":",06
                    break


        elif(hour==12):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",12,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",13,":",02
                    break
        elif(hour==13):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",13,":",minhand
                    break
                elif(minute>58):
```

```python
            message1= "The next train will arrive at",14,":",06

            break

    elif(hour==14):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",14,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",15,":",02

                break

    elif(hour==15):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",15,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",16,":",06

                break

    elif(hour==16):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",16,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",17,":",00

                break

    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand

                break
```

[179]

```python
        elif(minute>54):

            message1= "The next train will arrive at",18,":",00

            break

    elif(hour==18):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",18,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",19,":",00

                break

    elif(hour==19):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",19,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",20,":",00

                break


    elif(hour==20):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",20,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",21,":",00

                break

    elif(hour==21):

        for minhand in range(0,60,8):
```

[180]

```python
            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",21,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",22,":",02

                break

    elif(hour==22):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",22,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",23,":",04

                break

    elif(hour==23):

        for minhand in range(4,26,8):

            if(minhand>=minute):

                message1= "The next train will arrive at",23,":",minhand

                break

if (From=="Jebel Ali Industrial"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

        message1= "The next train will arrive at",5,":",47

    if (hour==5):

        if (minute>44):

            message1= "The next train will arrive at",5,":",47

        elif (minute>45):

            message1= "The next train will arrive at",5,":",55

        elif(minute>53):

            message1= "The next train will arrive at",6,":",03

    elif(hour==6):

        for minhand in range(3,60,8):
```

```python
            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",6,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",7,":",07

                break

    elif(hour==7):

        for minhand in range(7,60,8):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",8,":",03

                break

    elif(hour==8):

        for minhand in range(3,60,8):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",9,":",07

                break

    elif(hour==9):

        for minhand in range(7,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",10,":",01

                break

    elif(hour==10):
```

```python
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",11,":",01
                break
    elif(hour==11):
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",11,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",12,":",01
                break


    elif(hour==12):
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",12,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",13,":",01
                break
    elif(hour==13):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",13,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",14,":",05
```

```
                      break
       elif(hour==14):
           for minhand in range(5,60,8):
               if(minhand>=minute and minute<=53):
                   message1= "The next train will arrive at",14,":",minhand
                   break
               elif(minute>53):
                   message1= "The next train will arrive at",15,":",01
                   break
       elif(hour==15):
           for minhand in range(1,60,8):
               if(minhand>=minute and minute<=57):
                   message1= "The next train will arrive at",15,":",minhand
                   break
               elif(minute>57):
                   message1= "The next train will arrive at",16,":",05
                   break
       elif(hour==16):
           for minhand in range(5,60,6):
               if(minhand>=minute and minute<=59):
                   message1= "The next train will arrive at",16,":",minhand
                   break
               elif(minute>59):
                   message1= "The next train will arrive at",17,":",05
                   break
       elif(hour==17):
           for minhand in range(5,60,6):
               if(minhand>=minute and minute<=59):
                   message1= "The next train will arrive at",17,":",minhand
                   break
               elif(minute>59):
```

```python
            message1= "The next train will arrive at",18,":",05

            break

    elif(hour==18):

        for minhand in range(5,60,6):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",18,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",19,":",05

                break

    elif(hour==19):

        for minhand in range(5,60,6):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",19,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",20,":",05

                break


    elif(hour==20):

        for minhand in range(5,60,6):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",20,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",21,":",05

                break

    elif(hour==21):

        for minhand in range(5,60,8):

            if(minhand>=minute and minute<=53):
```

```python
                    message1= "The next train will arrive at",21,":",minhand
                    break
                elif(minute>53):
                    message1= "The next train will arrive at",22,":",01
                    break
            elif(hour==22):
                for minhand in range(1,60,8):
                    if(minhand>=minute and minute<=57):
                        message1= "The next train will arrive at",22,":",minhand
                        break
                    elif(minute>57):
                        message1= "The next train will arrive at",23,":",05
                        break
            elif(hour==23):
                for minhand in range(5,29,8):
                    if(minhand>=minute):
                        message1= "The next train will arrive at",23,":",minhand
                        break


    if (From=="Noor Islamic Bank"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
            message1= "The next train will arrive at",5,":",47
        if (hour==5):
            if (minute>44):
                message1= "The next train will arrive at",5,":",47
            elif (minute>45):
                message1= "The next train will arrive at",5,":",55
            elif(minute>53):
                message1= "The next train will arrive at",6,":",03
        elif(hour==6):
            for minhand in range(3,60,8):
```

```python
            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",6,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",7,":",07

                break

    elif(hour==7):

        for minhand in range(7,60,8):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",8,":",03

                break

    elif(hour==8):

        for minhand in range(3,60,8):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",9,":",07

                break

    elif(hour==9):

        for minhand in range(7,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",10,":",01

                break

    elif(hour==10):
```

```python
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",11,":",01
                break
    elif(hour==11):
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",11,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",12,":",01
                break


    elif(hour==12):
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",12,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",13,":",01
                break
    elif(hour==13):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",13,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",14,":",05
```

```python
            break
        elif(hour==14):
            for minhand in range(5,60,8):
                if(minhand>=minute and minute<=53):
                    message1= "The next train will arrive at",14,":",minhand
                    break
                elif(minute>53):
                    message1= "The next train will arrive at",15,":",01
                    break
        elif(hour==15):
            for minhand in range(1,60,8):
                if(minhand>=minute and minute<=57):
                    message1= "The next train will arrive at",15,":",minhand
                    break
                elif(minute>57):
                    message1= "The next train will arrive at",16,":",05
                    break
        elif(hour==16):
            for minhand in range(5,60,6):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",16,":",minhand
                    break
                elif(minute>59):
                    message1= "The next train will arrive at",17,":",05
                    break
        elif(hour==17):
            for minhand in range(5,60,6):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",17,":",minhand
                    break
                elif(minute>59):
```

```
                    message1= "The next train will arrive at",18,":",05

                    break

            elif(hour==18):

                for minhand in range(5,60,6):

                    if(minhand>=minute and minute<=59):

                        message1= "The next train will arrive at",18,":",minhand

                        break

                    elif(minute>59):

                        message1= "The next train will arrive at",19,":",05

                        break

            elif(hour==19):

                for minhand in range(5,60,6):

                    if(minhand>=minute and minute<=59):

                        message1= "The next train will arrive at",19,":",minhand

                        break

                    elif(minute>59):

                        message1= "The next train will arrive at",20,":",05

                        break




            elif(hour==20):

                for minhand in range(5,60,6):

                    if(minhand>=minute and minute<=59):

                        message1= "The next train will arrive at",20,":",minhand

                        break

                    elif(minute>59):

                        message1= "The next train will arrive at",21,":",05

                        break

            elif(hour==21):

                for minhand in range(5,60,8):

                    if(minhand>=minute and minute<=53):
```

```python
            message1= "The next train will arrive at",21,":",minhand
            break
          elif(minute>53):
            message1= "The next train will arrive at",22,":",01
            break
      elif(hour==22):
        for minhand in range(1,60,8):
          if(minhand>=minute and minute<=57):
            message1= "The next train will arrive at",22,":",minhand
            break
          elif(minute>57):
            message1= "The next train will arrive at",23,":",05
            break
      elif(hour==23):
        for minhand in range(5,29,8):
          if(minhand>=minute):
            message1= "The next train will arrive at",23,":",minhand
            break


  if (From=="Dubai Internet City"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
      message1= "The next train will arrive at",5,":",47
    if (hour==5):
      if (minute>44):
        message1= "The next train will arrive at",5,":",47
      elif (minute>45):
        message1= "The next train will arrive at",5,":",55
      elif(minute>53):
        message1= "The next train will arrive at",6,":",03
    elif(hour==6):
      for minhand in range(3,60,8):
```

[191]

```python
            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",6,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",7,":",07

                break

    elif(hour==7):

        for minhand in range(7,60,8):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",8,":",03

                break

    elif(hour==8):

        for minhand in range(3,60,8):

            if(minhand>=minute and minute<=59):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>59):

                message1= "The next train will arrive at",9,":",07

                break

    elif(hour==9):

        for minhand in range(7,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",10,":",01

                break

    elif(hour==10):
```

```python
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",11,":",01
                break
    elif(hour==11):
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",11,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",12,":",01
                break


    elif(hour==12):
        for minhand in range(1,60,6):
            if(minhand>=minute and minute<=55):
                message1= "The next train will arrive at",12,":",minhand
                break
            elif(minute>55):
                message1= "The next train will arrive at",13,":",01
                break
    elif(hour==13):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",13,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",14,":",05
```

```python
            break
    elif(hour==14):
        for minhand in range(5,60,8):
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>53):
                message1= "The next train will arrive at",15,":",01
                break
    elif(hour==15):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",16,":",05
                break
    elif(hour==16):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",17,":",05
                break
    elif(hour==17):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>59):
```

```
                            message1= "The next train will arrive at",18,":",05

                            break

                    elif(hour==18):

                        for minhand in range(5,60,6):

                            if(minhand>=minute and minute<=59):

                                message1= "The next train will arrive at",18,":",minhand

                                break

                            elif(minute>59):

                                message1= "The next train will arrive at",19,":",05

                                break

                    elif(hour==19):

                        for minhand in range(5,60,6):

                            if(minhand>=minute and minute<=59):

                                message1= "The next train will arrive at",19,":",minhand

                                break

                            elif(minute>59):

                                message1= "The next train will arrive at",20,":",05

                                break



                    elif(hour==20):

                        for minhand in range(5,60,6):

                            if(minhand>=minute and minute<=59):

                                message1= "The next train will arrive at",20,":",minhand

                                break

                            elif(minute>59):

                                message1= "The next train will arrive at",21,":",05

                                break

                    elif(hour==21):

                        for minhand in range(5,60,8):

                            if(minhand>=minute and minute<=53):
```

```python
                    message1= "The next train will arrive at",21,":",minhand
                    break
                elif(minute>53):
                    message1= "The next train will arrive at",22,":",01
                    break
        elif(hour==22):
            for minhand in range(1,60,8):
                if(minhand>=minute and minute<=57):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>57):
                    message1= "The next train will arrive at",23,":",05
                    break
        elif(hour==23):
            for minhand in range(5,29,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
                    break
    if (From=="Dubai Marina"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
            message1= "The next train will arrive at",5,":",47
        if (hour==5):
            if (minute>44):
                message1= "The next train will arrive at",5,":",47
            elif (minute>45):
                message1= "The next train will arrive at",5,":",55
            elif(minute>53):
                message1= "The next train will arrive at",6,":",03
        elif(hour==6):
            for minhand in range(3,60,8):
                if(minhand>=minute and minute<=59):
```

```python
            message1= "The next train will arrive at",6,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",7,":",07

            break

elif(hour==7):

    for minhand in range(7,60,8):

        if(minhand>=minute and minute<=55):

            message1= "The next train will arrive at",7,":",minhand

            break

        elif(minute>55):

            message1= "The next train will arrive at",8,":",03

            break

elif(hour==8):

    for minhand in range(3,60,8):

        if(minhand>=minute and minute<=59):

            message1= "The next train will arrive at",8,":",minhand

            break

        elif(minute>59):

            message1= "The next train will arrive at",9,":",07

            break

elif(hour==9):

    for minhand in range(7,60,6):

        if(minhand>=minute and minute<=55):

            message1= "The next train will arrive at",9,":",minhand

            break

        elif(minute>55):

            message1= "The next train will arrive at",10,":",01

            break

elif(hour==10):

    for minhand in range(1,60,6):
```

[197]

```python
        if(minhand>=minute and minute<=55):

            message1= "The next train will arrive at",10,":",minhand

            break

        elif(minute>55):

            message1= "The next train will arrive at",11,":",01

            break

elif(hour==11):

    for minhand in range(1,60,6):

        if(minhand>=minute and minute<=55):

            message1= "The next train will arrive at",11,":",minhand

            break

        elif(minute>55):

            message1= "The next train will arrive at",12,":",01

            break


elif(hour==12):

    for minhand in range(1,60,6):

        if(minhand>=minute and minute<=55):

            message1= "The next train will arrive at",12,":",minhand

            break

        elif(minute>55):

            message1= "The next train will arrive at",13,":",01

            break

elif(hour==13):

    for minhand in range(1,60,8):

        if(minhand>=minute and minute<=57):

            message1= "The next train will arrive at",13,":",minhand

            break

        elif(minute>57):

            message1= "The next train will arrive at",14,":",05

            break
```

[198]

```python
        elif(hour==14):
            for minhand in range(5,60,8):
                if(minhand>=minute and minute<=53):
                    message1= "The next train will arrive at",14,":",minhand
                    break
                elif(minute>53):
                    message1= "The next train will arrive at",15,":",01
                    break
        elif(hour==15):
            for minhand in range(1,60,8):
                if(minhand>=minute and minute<=57):
                    message1= "The next train will arrive at",15,":",minhand
                    break
                elif(minute>57):
                    message1= "The next train will arrive at",16,":",05
                    break
        elif(hour==16):
            for minhand in range(5,60,6):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",16,":",minhand
                    break
                elif(minute>59):
                    message1= "The next train will arrive at",17,":",05
                    break
        elif(hour==17):
            for minhand in range(5,60,6):
                if(minhand>=minute and minute<=59):
                    message1= "The next train will arrive at",17,":",minhand
                    break
                elif(minute>59):
                    message1= "The next train will arrive at",18,":",05
```

[199]

```python
            break
    elif(hour==18):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",19,":",05
                break
    elif(hour==19):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",20,":",05
                break


    elif(hour==20):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",21,":",05
                break
    elif(hour==21):
        for minhand in range(5,60,8):
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",21,":",minhand
```

```python
            break

        elif(minute>53):

            message1= "The next train will arrive at",22,":",01

            break

    elif(hour==22):

        for minhand in range(1,60,8):

            if(minhand>=minute and minute<=57):

                message1= "The next train will arrive at",22,":",minhand

                break

            elif(minute>57):

                message1= "The next train will arrive at",23,":",05

                break

    elif(hour==23):

        for minhand in range(5,29,8):

            if(minhand>=minute):

                message1= "The next train will arrive at",23,":",minhand

                break


if (From=="Nakheel Harbor & Tower"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

        message1= "The next train will arrive at",5,":",47

    if (hour==5):

        if (minute>44):

            message1= "The next train will arrive at",5,":",47

        elif (minute>45):

            message1= "The next train will arrive at",5,":",55

        elif(minute>53):

            message1= "The next train will arrive at",6,":",03

    elif(hour==6):

        for minhand in range(3,60,8):

            if(minhand>=minute and minute<=59):
```

```python
            message1= "The next train will arrive at",6,":",minhand
            break
        elif(minute>59):
            message1= "The next train will arrive at",7,":",07
            break
elif(hour==7):
    for minhand in range(7,60,8):
        if(minhand>=minute and minute<=55):
            message1= "The next train will arrive at",7,":",minhand
            break
        elif(minute>55):
            message1= "The next train will arrive at",8,":",03
            break
elif(hour==8):
    for minhand in range(3,60,8):
        if(minhand>=minute and minute<=59):
            message1= "The next train will arrive at",8,":",minhand
            break
        elif(minute>59):
            message1= "The next train will arrive at",9,":",07
            break
elif(hour==9):
    for minhand in range(7,60,6):
        if(minhand>=minute and minute<=55):
            message1= "The next train will arrive at",9,":",minhand
            break
        elif(minute>55):
            message1= "The next train will arrive at",10,":",01
            break
elif(hour==10):
    for minhand in range(1,60,6):
```

[202]

```python
            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",11,":",01

                break

    elif(hour==11):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",12,":",01

                break


    elif(hour==12):

        for minhand in range(1,60,6):

            if(minhand>=minute and minute<=55):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>55):

                message1= "The next train will arrive at",13,":",01

                break

    elif(hour==13):

        for minhand in range(1,60,8):

            if(minhand>=minute and minute<=57):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>57):

                message1= "The next train will arrive at",14,":",05

                break
```

[203]

```python
        elif(hour==14):

            for minhand in range(5,60,8):

                if(minhand>=minute and minute<=53):

                    message1= "The next train will arrive at",14,":",minhand

                    break

                elif(minute>53):

                    message1= "The next train will arrive at",15,":",01

                    break

        elif(hour==15):

            for minhand in range(1,60,8):

                if(minhand>=minute and minute<=57):

                    message1= "The next train will arrive at",15,":",minhand

                    break

                elif(minute>57):

                    message1= "The next train will arrive at",16,":",05

                    break

        elif(hour==16):

            for minhand in range(5,60,6):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",16,":",minhand

                    break

                elif(minute>59):

                    message1= "The next train will arrive at",17,":",05

                    break

        elif(hour==17):

            for minhand in range(5,60,6):

                if(minhand>=minute and minute<=59):

                    message1= "The next train will arrive at",17,":",minhand

                    break

                elif(minute>59):

                    message1= "The next train will arrive at",18,":",05
```

```python
            break
    elif(hour==18):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",19,":",05
                break
    elif(hour==19):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",20,":",05
                break


    elif(hour==20):
        for minhand in range(5,60,6):
            if(minhand>=minute and minute<=59):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>59):
                message1= "The next train will arrive at",21,":",05
                break
    elif(hour==21):
        for minhand in range(5,60,8):
            if(minhand>=minute and minute<=53):
                message1= "The next train will arrive at",21,":",minhand
```

```python
            break
        elif(minute>53):
            message1= "The next train will arrive at",22,":",01
            break
    elif(hour==22):
        for minhand in range(1,60,8):
            if(minhand>=minute and minute<=57):
                message1= "The next train will arrive at",22,":",minhand
                break
            elif(minute>57):
                message1= "The next train will arrive at",23,":",05
                break
    elif(hour==23):
        for minhand in range(5,29,8):
            if(minhand>=minute):
                message1= "The next train will arrive at",23,":",minhand
                break
if (From=="First Gulf Bank"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",45
    if (hour==5):
        if (minute>44):
            message1= "The next train will arrive at",5,":",45
        elif (minute>45):
            message1= "The next train will arrive at",5,":",53
        elif(minute>53):
            message1= "The next train will arrive at",6,":",01
    elif(hour==6):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",6,":",minhand
```

[206]

```
                break

           elif(minute>58):

              message1= "The next train will arrive at",7,":",06

              break

      elif(hour==7):

         for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

              message1= "The next train will arrive at",7,":",minhand

              break

           elif(minute>54):

              message1= "The next train will arrive at",8,":",02

              break

      elif(hour==8):

         for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

              message1= "The next train will arrive at",8,":",minhand

              break

           elif(minute>58):

              message1= "The next train will arrive at",9,":",06

              break

      elif(hour==9):

         for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

              message1= "The next train will arrive at",9,":",minhand

              break

           elif(minute>54):

              message1= "The next train will arrive at",10,":",02

              break

      elif(hour==10):

         for minhand in range(2,60,6):

            if(minhand>=minute and minute<=56):
```

```python
            message1= "The next train will arrive at",10,":",minhand

            break

        elif(minute>56):

            message1= "The next train will arrive at",11,":",04

            break

elif(hour==11):

    for minhand in range(4,60,6):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",11,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",12,":",06

            break


elif(hour==12):

    for minhand in range(6,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",12,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",13,":",02

            break

elif(hour==13):

    for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",13,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",14,":",06

            break

elif(hour==14):
```

```python
    for minhand in range(6,60,8):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",14,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",15,":",02
            break
elif(hour==15):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",15,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",16,":",06
            break
elif(hour==16):
    for minhand in range(6,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",16,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",17,":",00
            break
elif(hour==17):
    for minhand in range(0,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",17,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",18,":",00
            break
```

[209]

```python
        elif(hour==18):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",18,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",19,":",00
                    break
        elif(hour==19):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",19,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",20,":",00
                    break


        elif(hour==20):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",20,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",21,":",00
                    break
        elif(hour==21):
            for minhand in range(0,60,8):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",21,":",minhand
                    break
```

```python
        elif(minute>56):

            message1= "The next train will arrive at",22,":",02

            break

    elif(hour==22):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",22,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",23,":",04

                break

    elif(hour==23):

        for minhand in range(4,26,8):

            if(minhand>=minute):

                message1= "The next train will arrive at",23,":",minhand

                break

if (From=="Energy"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

        message1= "The next train will arrive at",5,":",45

    if (hour==5):

        if (minute>44):

            message1= "The next train will arrive at",5,":",45

        elif (minute>45):

            message1= "The next train will arrive at",5,":",53

        elif(minute>53):

            message1= "The next train will arrive at",6,":",01

    elif(hour==6):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",6,":",minhand

                break
```

```python
            elif(minute>58):

                message1= "The next train will arrive at",7,":",06

                break

        elif(hour==7):

            for minhand in range(6,60,8):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",7,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",8,":",02

                    break

        elif(hour==8):

            for minhand in range(2,60,8):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",8,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",9,":",06

                    break

        elif(hour==9):

            for minhand in range(6,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",9,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",10,":",02

                    break

        elif(hour==10):

            for minhand in range(2,60,6):

                if(minhand>=minute and minute<=56):

                    message1= "The next train will arrive at",10,":",minhand
```

```python
            break

        elif(minute>56):

            message1= "The next train will arrive at",11,":",04

            break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",12,":",06

                break


    elif(hour==12):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",13,":",02

                break

    elif(hour==13):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",14,":",06

                break

    elif(hour==14):

        for minhand in range(6,60,8):
```
[213]

```python
            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",14,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",15,":",02

                break

    elif(hour==15):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",15,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",16,":",06

                break

    elif(hour==16):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",16,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",17,":",00

                break

    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",18,":",00

                break

    elif(hour==18):
```

```python
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",19,":",00
                break
    elif(hour==19):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",20,":",00
                break


    elif(hour==20):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",21,":",00
                break
    elif(hour==21):
        for minhand in range(0,60,8):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",21,":",minhand
                break
            elif(minute>56):
```

```
                    message1= "The next train will arrive at",22,":",02

                    break

         elif(hour==22):

            for minhand in range(2,60,8):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",22,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",23,":",04

                    break

         elif(hour==23):

            for minhand in range(4,26,8):

                if(minhand>=minute):

                    message1= "The next train will arrive at",23,":",minhand

                    break

    if (From=="Sharaf DG"):

        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

            message1= "The next train will arrive at",5,":",45

        if (hour==5):

            if (minute>44):

                message1= "The next train will arrive at",5,":",45

            elif (minute>45):

                message1= "The next train will arrive at",5,":",53

            elif(minute>53):

                message1= "The next train will arrive at",6,":",01

        elif(hour==6):

            for minhand in range(2,60,8):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",6,":",minhand

                    break

                elif(minute>58):
```

[216]

```python
            message1= "The next train will arrive at",7,":",06

            break

    elif(hour==7):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",8,":",02

                break

    elif(hour==8):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",9,":",06

                break

    elif(hour==9):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",10,":",02

                break

    elif(hour==10):

        for minhand in range(2,60,6):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",10,":",minhand

                break
```

```python
        elif(minute>56):

            message1= "The next train will arrive at",11,":",04

            break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",12,":",06

                break


    elif(hour==12):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",13,":",02

                break

    elif(hour==13):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",14,":",06

                break

    elif(hour==14):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):
```

```python
            message1= "The next train will arrive at",14,":",minhand
            break
          elif(minute>54):
            message1= "The next train will arrive at",15,":",02
            break
      elif(hour==15):
        for minhand in range(2,60,8):
          if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",15,":",minhand
            break
          elif(minute>58):
            message1= "The next train will arrive at",16,":",06
            break
      elif(hour==16):
        for minhand in range(6,60,6):
          if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",16,":",minhand
            break
          elif(minute>54):
            message1= "The next train will arrive at",17,":",00
            break
      elif(hour==17):
        for minhand in range(0,60,6):
          if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",17,":",minhand
            break
          elif(minute>54):
            message1= "The next train will arrive at",18,":",00
            break
      elif(hour==18):
        for minhand in range(0,60,6):
```

[219]

```python
            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",18,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",19,":",00

                break

    elif(hour==19):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",19,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",20,":",00

                break




    elif(hour==20):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",20,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",21,":",00

                break

    elif(hour==21):

        for minhand in range(0,60,8):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",21,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",22,":",02
```

```python
                    break
        elif(hour==22):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",23,":",04
                    break
        elif(hour==23):
            for minhand in range(4,26,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
                    break
    if (From=="Al Rigga"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
            message1= "The next train will arrive at",5,":",45
        if (hour==5):
            if (minute>44):
                message1= "The next train will arrive at",5,":",45
            elif (minute>45):
                message1= "The next train will arrive at",5,":",53
            elif(minute>53):
                message1= "The next train will arrive at",6,":",01
        elif(hour==6):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",6,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",7,":",06
```

```python
        break
    elif(hour==7):
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",7,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",8,":",02
                break
    elif(hour==8):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",8,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",9,":",06
                break
    elif(hour==9):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",9,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",10,":",02
                break
    elif(hour==10):
        for minhand in range(2,60,6):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>56):
```

```python
                message1= "The next train will arrive at",11,":",04

                break
        elif(hour==11):

            for minhand in range(4,60,6):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",11,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",12,":",06

                    break


        elif(hour==12):

            for minhand in range(6,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",12,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",13,":",02

                    break
        elif(hour==13):

            for minhand in range(2,60,8):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",13,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",14,":",06

                    break
        elif(hour==14):

            for minhand in range(6,60,8):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",14,":",minhand
```
[223]

```python
            break

        elif(minute>54):

            message1= "The next train will arrive at",15,":",02

            break

elif(hour==15):

    for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

            message1= "The next train will arrive at",15,":",minhand

            break

        elif(minute>58):

            message1= "The next train will arrive at",16,":",06

            break

elif(hour==16):

    for minhand in range(6,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",16,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",17,":",00

            break

elif(hour==17):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",17,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",18,":",00

            break

elif(hour==18):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):
```

```python
            message1= "The next train will arrive at",18,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",19,":",00

            break

elif(hour==19):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",19,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",20,":",00

            break


elif(hour==20):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",20,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",21,":",00

            break

elif(hour==21):

    for minhand in range(0,60,8):

        if(minhand>=minute and minute<=56):

            message1= "The next train will arrive at",21,":",minhand

            break

        elif(minute>56):

            message1= "The next train will arrive at",22,":",02

            break
```

```python
        elif(hour==22):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",23,":",04
                    break
        elif(hour==23):
            for minhand in range(4,26,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
                    break


    if (From=="Al Ras"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
            message1= "The next train will arrive at",5,":",45
        if (hour==5):
            if (minute>44):
                message1= "The next train will arrive at",5,":",45
            elif (minute>45):
                message1= "The next train will arrive at",5,":",53
            elif(minute>53):
                message1= "The next train will arrive at",6,":",01
        elif(hour==6):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",6,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",7,":",06
```

```python
                    break
        elif(hour==7):
            for minhand in range(6,60,8):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",7,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",8,":",02
                    break
        elif(hour==8):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",8,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",9,":",06
                    break
        elif(hour==9):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",9,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",10,":",02
                    break
        elif(hour==10):
            for minhand in range(2,60,6):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",10,":",minhand
                    break
                elif(minute>56):
```

[227]

```python
            message1= "The next train will arrive at",11,":",04

            break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",11,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",12,":",06

                break


    elif(hour==12):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",13,":",02

                break

    elif(hour==13):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",14,":",06

                break

    elif(hour==14):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",14,":",minhand
```

[228]

```
            break

        elif(minute>54):

            message1= "The next train will arrive at",15,":",02

            break

    elif(hour==15):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",15,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",16,":",06

                break

    elif(hour==16):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",16,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",17,":",00

                break

    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",18,":",00

                break

    elif(hour==18):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):
```

[229]

```python
            message1= "The next train will arrive at",18,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",19,":",00
            break
elif(hour==19):
    for minhand in range(0,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",19,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",20,":",00
            break


elif(hour==20):
    for minhand in range(0,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",20,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",21,":",00
            break
elif(hour==21):
    for minhand in range(0,60,8):
        if(minhand>=minute and minute<=56):
            message1= "The next train will arrive at",21,":",minhand
            break
        elif(minute>56):
            message1= "The next train will arrive at",22,":",02
            break
```

```python
        elif(hour==22):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",22,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",23,":",04
                    break
        elif(hour==23):
            for minhand in range(4,26,8):
                if(minhand>=minute):
                    message1= "The next train will arrive at",23,":",minhand
                    break
    if (From=="Nakheel"):
        if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
            message1= "The next train will arrive at",5,":",45
        if (hour==5):
            if (minute>44):
                message1= "The next train will arrive at",5,":",45
            elif (minute>45):
                message1= "The next train will arrive at",5,":",53
            elif(minute>53):
                message1= "The next train will arrive at",6,":",01
        elif(hour==6):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",6,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",7,":",06
                    break
```

```python
        elif(hour==7):
            for minhand in range(6,60,8):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",7,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",8,":",02
                    break
        elif(hour==8):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",8,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",9,":",06
                    break
        elif(hour==9):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",9,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",10,":",02
                    break
        elif(hour==10):
            for minhand in range(2,60,6):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",10,":",minhand
                    break
                elif(minute>56):
                    message1= "The next train will arrive at",11,":",04
```

```
                break
        elif(hour==11):
            for minhand in range(4,60,6):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",11,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",12,":",06
                    break


        elif(hour==12):
            for minhand in range(6,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",12,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",13,":",02
                    break
        elif(hour==13):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",13,":",minhand
                    break
                elif(minute>58):
                    message1= "The next train will arrive at",14,":",06
                    break
        elif(hour==14):
            for minhand in range(6,60,8):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",14,":",minhand
                    break
```

```python
        elif(minute>54):

            message1= "The next train will arrive at",15,":",02

            break

    elif(hour==15):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",15,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",16,":",06

                break

    elif(hour==16):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",16,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",17,":",00

                break

    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",18,":",00

                break

    elif(hour==18):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",18,":",minhand
```

```python
            break

        elif(minute>54):

            message1= "The next train will arrive at",19,":",00

            break

elif(hour==19):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",19,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",20,":",00

            break




elif(hour==20):

    for minhand in range(0,60,6):

        if(minhand>=minute and minute<=54):

            message1= "The next train will arrive at",20,":",minhand

            break

        elif(minute>54):

            message1= "The next train will arrive at",21,":",00

            break

elif(hour==21):

    for minhand in range(0,60,8):

        if(minhand>=minute and minute<=56):

            message1= "The next train will arrive at",21,":",minhand

            break

        elif(minute>56):

            message1= "The next train will arrive at",22,":",02

            break

elif(hour==22):
```

```python
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",22,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",23,":",04
                break
    elif(hour==23):
        for minhand in range(4,26,8):
            if(minhand>=minute):
                message1= "The next train will arrive at",23,":",minhand
                break
if (From=="Abu Hail"):
    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):
        message1= "The next train will arrive at",5,":",45
    if (hour==5):
        if (minute>44):
            message1= "The next train will arrive at",5,":",45
        elif (minute>45):
            message1= "The next train will arrive at",5,":",53
        elif(minute>53):
            message1= "The next train will arrive at",6,":",01
    elif(hour==6):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",6,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",7,":",06
                break
    elif(hour==7):
```

```python
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",7,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",8,":",02
                break
elif(hour==8):
    for minhand in range(2,60,8):
        if(minhand>=minute and minute<=58):
            message1= "The next train will arrive at",8,":",minhand
            break
        elif(minute>58):
            message1= "The next train will arrive at",9,":",06
            break
elif(hour==9):
    for minhand in range(6,60,6):
        if(minhand>=minute and minute<=54):
            message1= "The next train will arrive at",9,":",minhand
            break
        elif(minute>54):
            message1= "The next train will arrive at",10,":",02
            break
elif(hour==10):
    for minhand in range(2,60,6):
        if(minhand>=minute and minute<=56):
            message1= "The next train will arrive at",10,":",minhand
            break
        elif(minute>56):
            message1= "The next train will arrive at",11,":",04
            break
```

```python
            elif(hour==11):
                for minhand in range(4,60,6):
                    if(minhand>=minute and minute<=58):
                        message1= "The next train will arrive at",11,":",minhand
                        break
                    elif(minute>58):
                        message1= "The next train will arrive at",12,":",06
                        break


            elif(hour==12):
                for minhand in range(6,60,6):
                    if(minhand>=minute and minute<=54):
                        message1= "The next train will arrive at",12,":",minhand
                        break
                    elif(minute>54):
                        message1= "The next train will arrive at",13,":",02
                        break
            elif(hour==13):
                for minhand in range(2,60,8):
                    if(minhand>=minute and minute<=58):
                        message1= "The next train will arrive at",13,":",minhand
                        break
                    elif(minute>58):
                        message1= "The next train will arrive at",14,":",06
                        break
            elif(hour==14):
                for minhand in range(6,60,8):
                    if(minhand>=minute and minute<=54):
                        message1= "The next train will arrive at",14,":",minhand
                        break
                    elif(minute>54):
```

```
          message1= "The next train will arrive at",15,":",02

       break

   elif(hour==15):

      for minhand in range(2,60,8):

         if(minhand>=minute and minute<=58):

          message1= "The next train will arrive at",15,":",minhand

          break

         elif(minute>58):

          message1= "The next train will arrive at",16,":",06

          break

   elif(hour==16):

      for minhand in range(6,60,6):

         if(minhand>=minute and minute<=54):

          message1= "The next train will arrive at",16,":",minhand

          break

         elif(minute>54):

          message1= "The next train will arrive at",17,":",00

          break

   elif(hour==17):

      for minhand in range(0,60,6):

         if(minhand>=minute and minute<=54):

          message1= "The next train will arrive at",17,":",minhand

          break

         elif(minute>54):

          message1= "The next train will arrive at",18,":",00

          break

   elif(hour==18):

      for minhand in range(0,60,6):

         if(minhand>=minute and minute<=54):

          message1= "The next train will arrive at",18,":",minhand

          break
```

[239]

```python
            elif(minute>54):

                message1= "The next train will arrive at",19,":",00

                break

        elif(hour==19):

            for minhand in range(0,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",19,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",20,":",00

                    break




        elif(hour==20):

            for minhand in range(0,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",20,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",21,":",00

                    break

        elif(hour==21):

            for minhand in range(0,60,8):

                if(minhand>=minute and minute<=56):

                    message1= "The next train will arrive at",21,":",minhand

                    break

                elif(minute>56):

                    message1= "The next train will arrive at",22,":",02

                    break

        elif(hour==22):

            for minhand in range(2,60,8):
```

```python
            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",22,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",23,":",04

                break

    elif(hour==23):

        for minhand in range(4,26,8):

            if(minhand>=minute):

                message1= "The next train will arrive at",23,":",minhand

                break


if (From=="Union  Square"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

        message1= "The next train will arrive at",5,":",45

    if (hour==5):

        if (minute>44):

            message1= "The next train will arrive at",5,":",45

        elif (minute>45):

            message1= "The next train will arrive at",5,":",53

        elif(minute>53):

            message1= "The next train will arrive at",6,":",01

    elif(hour==6):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",6,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",7,":",06

                break

    elif(hour==7):
```

```python
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",7,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",8,":",02
                break
    elif(hour==8):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",8,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",9,":",06
                break
    elif(hour==9):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",9,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",10,":",02
                break
    elif(hour==10):
        for minhand in range(2,60,6):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",10,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",11,":",04
                break
```

```
        elif(hour==11):

            for minhand in range(4,60,6):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",11,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",12,":",06

                    break


    elif(hour==12):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",13,":",02

                break

    elif(hour==13):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",14,":",06

                break

    elif(hour==14):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",14,":",minhand

                break

            elif(minute>54):
```

```
                    message1= "The next train will arrive at",15,":",02

                break

        elif(hour==15):

            for minhand in range(2,60,8):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",15,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",16,":",06

                    break

        elif(hour==16):

            for minhand in range(6,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",16,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",17,":",00

                    break

        elif(hour==17):

            for minhand in range(0,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",17,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",18,":",00

                    break

        elif(hour==18):

            for minhand in range(0,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",18,":",minhand

                    break
```

[244]

```python
        elif(minute>54):

            message1= "The next train will arrive at",19,":",00

            break

    elif(hour==19):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",19,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",20,":",00

                break


    elif(hour==20):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",20,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",21,":",00

                break

    elif(hour==21):

        for minhand in range(0,60,8):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",21,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",22,":",02

                break

    elif(hour==22):

        for minhand in range(2,60,8):
```

```python
            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",22,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",23,":",04

                break

    elif(hour==23):

        for minhand in range(4,26,8):

            if(minhand>=minute):

                message1= "The next train will arrive at",23,":",minhand

                break

if (From=="Ibn Battuta"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

        message1= "The next train will arrive at",5,":",45

    if (hour==5):

        if (minute>44):

            message1= "The next train will arrive at",5,":",45

        elif (minute>45):

            message1= "The next train will arrive at",5,":",53

        elif(minute>53):

            message1= "The next train will arrive at",6,":",01

    elif(hour==6):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",6,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",7,":",06

                break

    elif(hour==7):

        for minhand in range(6,60,8):
```

```python
            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",7,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",8,":",02

                break

    elif(hour==8):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",9,":",06

                break

    elif(hour==9):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",10,":",02

                break

    elif(hour==10):

        for minhand in range(2,60,6):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",11,":",04

                break

    elif(hour==11):
```

```python
        for minhand in range(4,60,6):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",11,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",12,":",06
                break


    elif(hour==12):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",12,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",13,":",02
                break
    elif(hour==13):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",13,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",14,":",06
                break
    elif(hour==14):
        for minhand in range(6,60,8):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",14,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",15,":",02
```

[248]

```python
            break
    elif(hour==15):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",16,":",06
                break
    elif(hour==16):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",17,":",00
                break
    elif(hour==17):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",18,":",00
                break
    elif(hour==18):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>54):
```

```python
            message1= "The next train will arrive at",19,":",00

            break

    elif(hour==19):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",19,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",20,":",00

                break




    elif(hour==20):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",20,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",21,":",00

                break

    elif(hour==21):

        for minhand in range(0,60,8):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",21,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",22,":",02

                break

    elif(hour==22):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):
```

```python
            message1= "The next train will arrive at",22,":",minhand

            break

          elif(minute>58):

            message1= "The next train will arrive at",23,":",04

            break

    elif(hour==23):

      for minhand in range(4,26,8):

        if(minhand>=minute):

          message1= "The next train will arrive at",23,":",minhand

  if (From=="Jumeirah Lake Towers"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

      message1= "The next train will arrive at",5,":",45

    if (hour==5):

      if (minute>44):

        message1= "The next train will arrive at",5,":",45

      elif (minute>45):

        message1= "The next train will arrive at",5,":",53

      elif(minute>53):

        message1= "The next train will arrive at",6,":",01

    elif(hour==6):

      for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

          message1= "The next train will arrive at",6,":",minhand

          break

        elif(minute>58):

          message1= "The next train will arrive at",7,":",06

          break

    elif(hour==7):

      for minhand in range(6,60,8):

        if(minhand>=minute and minute<=54):

          message1= "The next train will arrive at",7,":",minhand
```

```python
            break

        elif(minute>54):

            message1= "The next train will arrive at",8,":",02

            break

    elif(hour==8):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",9,":",06

                break

    elif(hour==9):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",10,":",02

                break

    elif(hour==10):

        for minhand in range(2,60,6):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",11,":",04

                break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):
```

```python
                    message1= "The next train will arrive at",11,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",12,":",06

                    break


        elif(hour==12):

            for minhand in range(6,60,6):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",12,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",13,":",02

                    break

        elif(hour==13):

            for minhand in range(2,60,8):

                if(minhand>=minute and minute<=58):

                    message1= "The next train will arrive at",13,":",minhand

                    break

                elif(minute>58):

                    message1= "The next train will arrive at",14,":",06

                    break

        elif(hour==14):

            for minhand in range(6,60,8):

                if(minhand>=minute and minute<=54):

                    message1= "The next train will arrive at",14,":",minhand

                    break

                elif(minute>54):

                    message1= "The next train will arrive at",15,":",02

                    break

        elif(hour==15):
```

```python
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",15,":",minhand
                break
            elif(minute>58):
                message1= "The next train will arrive at",16,":",06
                break
    elif(hour==16):
        for minhand in range(6,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",16,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",17,":",00
                break
    elif(hour==17):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",17,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",18,":",00
                break
    elif(hour==18):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",18,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",19,":",00
                break
```

```python
        elif(hour==19):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",19,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",20,":",00
                    break


        elif(hour==20):
            for minhand in range(0,60,6):
                if(minhand>=minute and minute<=54):
                    message1= "The next train will arrive at",20,":",minhand
                    break
                elif(minute>54):
                    message1= "The next train will arrive at",21,":",00
                    break
        elif(hour==21):
            for minhand in range(0,60,8):
                if(minhand>=minute and minute<=56):
                    message1= "The next train will arrive at",21,":",minhand
                    break
                elif(minute>56):
                    message1= "The next train will arrive at",22,":",02
                    break
        elif(hour==22):
            for minhand in range(2,60,8):
                if(minhand>=minute and minute<=58):
                    message1= "The next train will arrive at",22,":",minhand
                    break
```

[255]

```python
        elif(minute>58):

            message1= "The next train will arrive at",23,":",04

            break

      elif(hour==23):

        for minhand in range(4,26,8):

          if(minhand>=minute):

            message1= "The next train will arrive at",23,":",minhand

            break

  if (From=="Mall of the Emirates"):

    if (hour==0 or hour==1 or hour==2 or hour==3 or hour==4 or hour==5 or hour>23):

      message1= "The next train will arrive at",5,":",45

    if (hour==5):

      if (minute>44):

        message1= "The next train will arrive at",5,":",45

      elif (minute>45):

        message1= "The next train will arrive at",5,":",53

      elif(minute>53):

        message1= "The next train will arrive at",6,":",01

    elif(hour==6):

      for minhand in range(2,60,8):

        if(minhand>=minute and minute<=58):

          message1= "The next train will arrive at",6,":",minhand

          break

        elif(minute>58):

          message1= "The next train will arrive at",7,":",06

          break

    elif(hour==7):

      for minhand in range(6,60,8):

        if(minhand>=minute and minute<=54):

          message1= "The next train will arrive at",7,":",minhand

          break
```

```python
        elif(minute>54):

            message1= "The next train will arrive at",8,":",02

            break

    elif(hour==8):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",8,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",9,":",06

                break

    elif(hour==9):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",9,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",10,":",02

                break

    elif(hour==10):

        for minhand in range(2,60,6):

            if(minhand>=minute and minute<=56):

                message1= "The next train will arrive at",10,":",minhand

                break

            elif(minute>56):

                message1= "The next train will arrive at",11,":",04

                break

    elif(hour==11):

        for minhand in range(4,60,6):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",11,":",minhand
```

```python
                break

            elif(minute>58):

                message1= "The next train will arrive at",12,":",06

                break


    elif(hour==12):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",12,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",13,":",02

                break

    elif(hour==13):

        for minhand in range(2,60,8):

            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",13,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",14,":",06

                break

    elif(hour==14):

        for minhand in range(6,60,8):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",14,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",15,":",02

                break

    elif(hour==15):

        for minhand in range(2,60,8):
```

```python
            if(minhand>=minute and minute<=58):

                message1= "The next train will arrive at",15,":",minhand

                break

            elif(minute>58):

                message1= "The next train will arrive at",16,":",06

                break

    elif(hour==16):

        for minhand in range(6,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",16,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",17,":",00

                break

    elif(hour==17):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",17,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",18,":",00

                break

    elif(hour==18):

        for minhand in range(0,60,6):

            if(minhand>=minute and minute<=54):

                message1= "The next train will arrive at",18,":",minhand

                break

            elif(minute>54):

                message1= "The next train will arrive at",19,":",00

                break

    elif(hour==19):
```

```python
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",19,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",20,":",00
                break



    elif(hour==20):
        for minhand in range(0,60,6):
            if(minhand>=minute and minute<=54):
                message1= "The next train will arrive at",20,":",minhand
                break
            elif(minute>54):
                message1= "The next train will arrive at",21,":",00
                break
    elif(hour==21):
        for minhand in range(0,60,8):
            if(minhand>=minute and minute<=56):
                message1= "The next train will arrive at",21,":",minhand
                break
            elif(minute>56):
                message1= "The next train will arrive at",22,":",02
                break
    elif(hour==22):
        for minhand in range(2,60,8):
            if(minhand>=minute and minute<=58):
                message1= "The next train will arrive at",22,":",minhand
                break
            elif(minute>58):
```

```python
                    message1= "The next train will arrive at",23,":",04

                    break

              elif(hour==23):

                 for minhand in range(4,26,8):

                    if(minhand>=minute):

                       message1= "The next train will arrive at",23,":",minhand

                       break


        self.text2.delete(0.0,END)

        self.text2.insert(0.0,message1)

        RedLine=["Rashidiya ","Emirates","Airport Terminal-3","Airport Terminal-1","GGICO","Deira
City Centre","Al Rigga","Union  Square","Burjuman","Al Karama",

            "Al Jafiliya","Dubai World Trade Centre ","Emirates Towers"," Dubai International Financial
Centre ","Burj Khalifa / Dubai Mall","Business Bay","Noor Islamic Bank",

            "First Gulf Bank","Mall of the Emirates","Sharaf DG","Dubai Internet City","Nakheel","Dubai
Marina","Jumeirah Lake Towers","Nakheel Harbor & Tower",

            "Ibn Battuta","Energy","Jebel Ali Industrial","Jebel Ali"]

        GreenLine=["Etisalat","Al Qusais-1","Airport Free Zone","Al Nahda","Rashid Stadium","Al
Qiyadah","Abu Bakr Seddiq","Abu Hail","Salahuddin","Union  Square","Baniyas Square",

            "Palm Deira","Al Ras","Al Ghubaiba","Al Fahidi","Burjuman","Oud Metha","Dubai Healthcare
City","Al Jaddaf","Creek"]

        Via=["Union  Square","Burjuman"]

        message0= "THE NUMBER OF STATIONS AND INTERCHANGE STATION IS:"

        if((From in RedLine) and (To in RedLine) and (From!="Burjuman") and (From!="Union  Square")
and (To!="Burjuman") and (To!="Union  Square")):

            x=RedLine.index(From)

            y=RedLine.index(To)

            message2= From,"is",fabs(y-x),"stops from",To

        if((From in GreenLine) and (To in GreenLine) and (From!="Burjuman") and (From!="Union
Square") and (To!="Burjuman") and (To!="Union  Square")):

            x=GreenLine.index(From)

            y=GreenLine.index(To)

            message2= From,"is",fabs(y-x),"stops from",To
```

```python
            if((From in GreenLine) and (To in RedLine) and (From!="Burjuman") and (From!="Union
Square") and (To!="Burjuman") and (To!="Union  Square")):

            x=GreenLine.index(From)

            y=RedLine.index(To)

            a=GreenLine.index("Union  Square")

            b=GreenLine.index("Burjuman")

            if((fabs(a-x))>(fabs(b-x))):

                message= "Interchange Station is",GreenLine[b]

                c=RedLine.index(GreenLine[b])

                message2= From,"via",GreenLine[b],"to",To,"is",(fabs(b-x)+fabs(c-y))

            if((fabs(b-x))>(fabs(a-x))):

                message2= "Interchange Station is",GreenLine[a]

                c=RedLine.index(GreenLine[a])

                message2= From,"via",GreenLine[a],"to",To,"is",(fabs(a-x)+fabs(c-y))

        if((From in RedLine) and (To in GreenLine) and (From!="Burjuman") and (From!="Union
Square") and (To!="Burjuman") and (To!="Union  Square")):

            x=RedLine.index(From)

            y=GreenLine.index(To)

            a=RedLine.index("Union  Square")

            b=RedLine.index("Burjuman")


            if((fabs(a-x))>(fabs(b-x))):

                message2= "Interchange Station is",RedLine[b]

                c=GreenLine.index(RedLine[b])

                message= From,"via",GreenLine[b],"to",To,"is",(fabs(b-x)+fabs(c-y))

            if((fabs(b-x))>(fabs(a-x))):

                message2= "Interchange Station is",RedLine[a]

                c=GreenLine.index(RedLine[a])

                message2= From,"via",RedLine[a],"to",To,"is",(fabs(a-x)+fabs(c-y))


        if(From=="Burjuman" and To=="Union  Square"):

        message2= "Union  Square is 6 stops from Burjuman"
```

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```python
        if(From=="Union  Square" and To=="Burjuman"):
            message2= "Burjuman is 6 stops from Union  Square"
        if(((From=="Burjuman") or (From=="Union  Square")) and (To!="Burjuman") and (To!="Union
Square") ):
            if(To in GreenLine):
                x=GreenLine.index(From)
                y=GreenLine.index(To)
                message2= From,"is",fabs(y-x),"stops from",To
            if(To in RedLine):
                x=RedLine.index(From)
                y=RedLine.index(To)
                message2= From,"is",fabs(y-x),"stops from",To
        if(((To=="Burjuman") or (To=="Union  Square")) and (From!="Burjuman") and (From!="Union
Square")):
            if(From in GreenLine):
                x=GreenLine.index(From)
                y=GreenLine.index(To)
                message2= From,"is",fabs(y-x),"stops from",To
            if(From in RedLine):
                x=RedLine.index(From)
                y=RedLine.index(To)
                message2= From,"is",fabs(y-x),"stops from",To
        self.text3.delete(0.0,END)
        self.text3.insert(0.0,message2)
```

```python
root=Tk()

p = PhotoImage(file="C:\Users\Sony\Desktop\pythonimg.gif")

l = Label(root, image=p)


l.pack_propagate(0)

l.pack()

l.grid()




root.option_add("*background","white")

root.configure(background='Blue')

root.title("Metro Planner")

root.geometry("580x465")

app=Application(root)

app.grid()

root.mainloop()
```

Bugs Encountered

Initially there was error when starting station was Burjuman and destination station was Union Square and vice versa.

This bug was fixed by placing a separate if statement when starting stations were Burjuman or Union Square and destination stations was Union Square or Burjuman.

In IDLE, feeder buses were also printed but there was an error when the program was changed to direct GUI so the feeder buses were removed.

Future Modifications

First the program was coded to be executed in IDLE but latter on changes were made to run in directly GUI.

Dimensions of the Application Frame were changed according to need.

When the program was coded to be executed directly in GUI feeder buses were removed as there was an error which stops the program from starting directly in GUI.

Bibliography

- ❖ Google Images
- ❖ YouTube(Channel–Investary)
- ❖ Dubai Metro Site
- ❖ Stack Overflow