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# **Medicox**

## **A Virtual Clinic**

**A virtual clinic is a planned contact by the healthcare professional responsible for care with a patient for the purposes of clinical consultation, advice and treatment planning.** The Virtual Clinic conducts world leading research into the treatment of anxiety, depression and physical health conditions.

### **FOR PATIENTS:**

- Patients at PHC or government hospital have opportunity to interact with doctors in the nearby town at early stage of disease.
- Instant accessibility to qualified doctors, specialists, super specialists
- Minimise cost burden and uncertainty in disease management.

### **FOR DOCTORS:**

- Can run virtual consultation from the comfort and convenience of his or her own real clinic
- Gets access to large patient base which so far was inaccessible to him
- Opportunity to examine the patient at an early stage of the disease and provide right clinical advice
- Access to the complete medical record of the patient to provide compete treatment history
- Can exercise options for hospitalisation or reference to super specialists early enough.

# LANGUAGE

**P**ython is a high-level programming language designed to be easy to read and simple to implement. It is open source, which means it is free to use, even for commercial applications. Python can run on Mac, Windows, and Unix systems and has also been ported to Java and .NET virtual machines. Python is considered a scripting language, like Ruby or Perl and is often used for creating Web applications and dynamic Web content. It is also supported by a number of 2D and 3D imaging programs, enabling users to create custom plug-ins and extensions with Python. Examples of applications that support a Python API include GIMP, Inkscape, Blender, and Autodesk Maya.

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**MySQL**, pronounced either "My S-Q-L" or "My Sequel," is an open source relational database management system. It is based on the structure query language (SQL), which is used for adding, removing, and modifying information in the database. Standard SQL commands, such as ADD, DROP, INSERT, and UPDATE can be used with MySQL. MySQL can be used for a variety of applications, but is most commonly found on Web servers. A website that uses MySQL may include Web pages that access information from a database.

# SYSTEM REQUIREMENT

## Hardware requirements

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- Computer, for coding and typing the required Documents of the project.
- printer, to print the required documents of the project.
- Compact drive.
- Processor : Pentium quad core or higher
- Ram : 64 MB or higher
- Hard disk : 20 GB or higher

## Software requirements

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- Operating system : windows 10
- Python 3 : for execution of program
- Mysql : for storing data in the database
- Python – mysql connector : for database connectivity
- Microsoft word, for presentation of output.

# **WORKING DESCRIPTION**

This program is designed to fulfill all needs of the patients and doctors . This program consists of **FIVE** main options and further as follows:

## **1. Check your Health Status**

- Body Mass Index(BMI)
- Basal Metabolic Rate(BMR)
  - ❖ For Male candidate
  - ❖ For Female candidate
- .Waist-to-Hip Ratio(WHR)
  - ❖ For Male candidate
  - ❖ For Female candidate
- RETURN TO MAIN MENU

## **2.Change/Fix an Appointment**

- Fix an Appointment.
- Check Appointment List
  - ❖ For Your Appointment
  - ❖ For All Appointment List
- Change your Appointment
- RETURN TO MAIN MENU

## **3.Health Awareness**

- Malaria
- Dengue

- Chickenpox
- Typhoid
- Hair Loss
- RETURN TO MAIN MENU

## 4.ADMINISTRATION

- Check appointment with patients
- Show Details Of Doctors
  - ❖ For Specific Doctor
  - ❖ For All Doctors
- Add new Doctor
- change Doctor's record
- Delete Doctor's record
- RETURN TO MAIN MENU

## 5.EXIT

# SQL TABLES TO BE REQUIRED

These tables to be made in mysql for implementation of program need

```
mysql> desc doctor_details
-> ;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| name  | varchar(30) | NO  | PRI | NULL    |       |
| specialisation | varchar(40) | YES |     | NULL    |       |
| age   | int(2)      | YES |     | NULL    |       |
| address | varchar(30) | YES |     | NULL    |       |
| contact_no | varchar(15) | YES |     | NULL    |       |
| fees   | int(10)     | YES |     | NULL    |       |
| monthly_salary | int(10)   | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+
7 rows in set (0.03 sec)

mysql> desc post;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| App_id | varchar(15) | YES |     | NULL    |       |
| Name   | varchar(15) | YES |     | NULL    |       |
| Gender | varchar(3)  | YES |     | NULL    |       |
| Age    | int(11)    | YES |     | NULL    |       |
| Phone  | bigint(20) | YES |     | NULL    |       |
| Problem | varchar(25) | YES |     | NULL    |       |
| doctor_name | varchar(30) | YES |     | NULL    |       |
| app_date | date     | YES |     | NULL    |       |
| shift   | varchar(25) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+
9 rows in set (0.00 sec)
```

# SOURCE CODE

```
from prettytable import from_db_cursor
import mysql.connector as aq
ad=aq.connect(host='localhost',user='root',passwd='hussain786',
, database='aqib')
aq=ad.cursor()
```

## #USER DEFINED FUCNTIONS

```
def whr():
    print('\nWaist-to-hip ratio, also known as waist-hip
ratio, is the circumference of the waist divided by the
circumference of the hips.')
    print('The waist-to-hip ratio (WHR) is a quick measure of
fat distribution that may help indicate a person overall
health. People who carry more weight around their middle than
their hips may be at a higher risk of developing certain
health conditions.')
    print('\nMeasuring your waist:-')
    print('use your tape measure to measure midway between
your lowest rib and the top of your hips - it should be the
part just above your belly button.')
    print('Measuring your hips:-')
    print('measure at the widest point around the buttocks.
Again, hold the tape snugly but do not pull it in, and make
sure its level all the way around.')
    wa=float(input('\nEnter your Waist measurement(inches):'))
    ha=float(input('Enter your Hip measurement(inches):'))
    res=round((wa/ha),3)
    if res<0.85:
        print('YOUR Waist-to-Hip Ratio(WHR) is:',res)
        print('\nExcellent health!!!')
    elif res>0.85 and res<0.89:
        print('YOUR Waist-to-Hip Ratio(WHR) is:',res)
        print('\nYour Health is GOOD')
```

```
    elif res>0.90 and res<0.95:
        print('YOUR Waist-to-Hip Ratio(WHR) is:',res)
        print('\nYour Health is at AVERAGE')
    elif res>0.95 and res<1:
        print('YOUR Waist-to-Hip Ratio(WHR) is:',res)
        print('\nYour Health is at RISK!!!')
    else:
        print('YOUR Waist-to-Hip Ratio(WHR) is:',res)
        print('\nYour Health is at HIGH RISK!!!')

def fwhr():
    print('\nWaist-to-hip ratio, also known as waist-hip ratio, is the circumference of the waist divided by the circumference of the hips. What does a persons waist-to-hip ratio say about their health?')
    print('The waist-to-hip ratio (WHR) is a quick measure of fat distribution that may help indicate a person overall health. People who carry more weight around their middle than their hips may be at a higher risk of developing certain health conditions.')
    print('\nMeasuring your waist:-')
    print('use your tape measure to measure midway between your lowest rib and the top of your hips - it should be the part just above your belly button.')
    print('Measuring your hips:-')
    print('measure at the widest point around the buttocks. Again, hold the tape snugly but do not pull it in, and make sure its level all the way around.')
    wa=float(input('\nEnter your Waist measurement(inches):'))
    ha=float(input('Enter your Hip measurement(inches):'))
    res=round((wa/ha),3)
    if res<0.75:
        print('YOUR Waist-to-Hip Ratio(WHR) is:',res)
        print('\nExcellent health!!!')
    elif res>0.75 and res<0.80:
```

```

        print('YOUR Waist-to-Hip Ratio(WHR) is:',res)
        print('\nYour Health is GOOD')

    elif res>0.80 and res<0.85:
        print('YOUR Waist-to-Hip Ratio(WHR) is:',res)
        print('\nYour Health is at AVERAGE')

    elif res>0.85 and res<0.90:
        print('YOUR Waist-to-Hip Ratio(WHR) is:',res)
        print('\nYour Health is at RISK!!')

    else:
        print('YOUR Waist-to-Hip Ratio(WHR) is:',res)
        print('\nYour Health is at HIGH RISK!!')

def bmr():
    print('\nBasal Metabolic Rate (BMR) is the amount of
energy your body needs to function.')

    print('We can estimate BMR based on height in inches,
weight in pounds, age in years, and gender.')

    print('Given your BMR we can then estimate the number of
calories needed per day to maintain your weight.')

    a=float(input('\nEnter height in feet:'))
    b=float(input('Enter weight in kilogramme:'))
    c=float(input('Enter age in years:'))

    BMR = 66.47 + (6.23 *2.205* b) + (12.7 *12* a) - (6.8 * c)

    CAL=((BMR*0.55)+BMR)

    print('\nYour BMR is :',round(BMR,3))

    print('\nCalories needed to maintain
weight:',round(CAL,3))

def fbmr():
    print('\nBasal Metabolic Rate (BMR) is the amount of
energy your body needs to function.')

    print('We can estimate BMR based on height in inches,
weight in pounds, age in years, and gender.')

```

```

print('Given your BMR we can then estimate the number of
calories needed per day to maintain your weight.')

a=float(input('\nEnter height in feet:'))

b=float(input('Enter weight in kilogramme:'))

c=float(input('Enter age in years:'))

BMR = 655.1 + (4.35 *2.205* b) + (4.7 * 12 *a) - (4.7* c)

CAL=((BMR*0.55)+BMR)

print('Your BMR is :',round(BMR,3))

print('Calories needed to maintain weight:',round(CAL,3))



def bmi():

    ty='and is commonly used as an indicator of whether you
    might be in a risk category for health problems caused by your
    weight.'

    print('\nThe body mass index calculator measurement is the
    calculation of your body weight in relation to your height'+ty)

    print('Using a BMI calculator such as the one on this
    programme, you enter your weight and height measurements')

    weightInKilo = float(input('Enter your weight in kilo:'))

    heightInFeet = float(input('Enter your height in feet:'))

    heightInMeter = heightInFeet * 12 * 0.025

    bodyMassIndex = round((weightInKilo / (heightInMeter **2)),3)

    if bodyMassIndex < 15:

        print('Your BMI = ' + str(bodyMassIndex) + '\nYou are
        very severely underweight.')

    elif bodyMassIndex >= 15 and bodyMassIndex <= 16 :

        print('Your BMI = ' + str(bodyMassIndex) + '\nYou
        are severely underweight.')

    elif bodyMassIndex > 16 and bodyMassIndex <= 18.5:

        print('Your BMI = ' + str(bodyMassIndex) + '\nYou are
        underweight.')

    elif bodyMassIndex > 18.5 and bodyMassIndex <= 25:

```

```
        print('Your BMI = ' + str(bodyMassIndex) + '\nYou are
Normal(healthy weight).')

    elif bodyMassIndex > 25 and bodyMassIndex <= 30:

        print('Your BMI = ' + str(bodyMassIndex) + '\nYou are
overweight.')

    elif bodyMassIndex > 30 and bodyMassIndex <= 35:

        print('Your BMI = ' + str(bodyMassIndex) + '\nYou are
moderately obese.')

    elif bodyMassIndex > 35 and bodyMassIndex <= 40:

        print('Your BMI = ' + str(bodyMassIndex) + '\nYou are
severely obese.')

    elif bodyMassIndex > 40:

        print('Your BMI = ' + str(bodyMassIndex) + '\nYou are
very severely obese.')

def db():

    import calendar

    n=input('Enter your Name:')

    g=input('Enter your Gender(m/f):')

    a=int(input('Enter your Age:'))

    p=int(input('Enter your Phone_no. :'))

    po=input('Enter your Problem :')

    qe='select name,specialisation,fees from doctor_details '
    aq.execute(qe)

    mytable = from_db_cursor(aq)

    print(mytable)

    dc=input('Enter Doctor name(same as above given|^|) :')

    print ("The calender of year 2020 is : ")

    print (calendar.calendar(2020,2,1,6,6))

    print ('You can choose your date which is given above|^|')

    d=input('Enter your Appointment Date(YYYY-MM-DD) :')

    s=input('Enter your Shift(morning\evening) :')

    u=n[:3]+str(a)+str(p)[:4:-1]
```

```
print('\nYour Appointment ID is:',u)

    ins="INSERT INTO post VALUES
('{}','{}','{}',{},{},'{}','{}','{}','{}')".format(u,n,g,a,p,p
o,dc,d,s)

    aq.execute(ins)

ad.commit()

qer='select * from post where App_id="{}"'.format(u)

aq.execute(qer)

mytable = from_db_cursor(aq)

print(mytable)

print('Your Appointment has been fixed.please remember
your Appointment ID for further use!!\n')

def yrapp():

try:

    i=input('Enter your Appointment ID:')

    qe='select * from post where App_id="{}"'.format(i)

    aq.execute(qe)

    mytable = from_db_cursor(aq)

    print(mytable)

except:

    print('error')

def alapp():

    aq.execute('select * from post')

    mytable = from_db_cursor(aq)

    print(mytable)

def chge():

    isd=input('Enter your Appointment ID:')

    qer='select * from post where App_id="{}"'.format(isd)

    aq.execute(qer)

    mytable = from_db_cursor(aq)

    print(mytable)
```

```
    up=input('Enter which field you would change(*case  
sensitive language):' )  
  
    op=input('Enter new '+str(up)+':')  
  
    quer='UPDATE post SET {}="{}" WHERE App_id="{}"  
'.format(up,op,isd)  
  
    aq.execute(quer)  
  
    ad.commit()  
  
    print('Your Appointment has been updated!!' )  
  
    pk=input('Do you want to see the changes?(y/n):')  
  
    if pk=='y':  
  
        qr='select * from post where App_id="{}"'.format(isd)  
  
        aq.execute(qr)  
  
        mytable = from_db_cursor(aq)  
  
        print(mytable)  
  
def ch_pat():  
  
    sd=input("Enter your name:")  
  
    quer='select * from post where doctor_name="{}"  
'.format(sd)  
  
    aq.execute(quer)  
  
    mytable = from_db_cursor(aq)  
  
    print(mytable)  
  
  
def doc_chge():  
  
    isd=input("Enter your Doctor's name:")  
  
    quer='select * from doctor_details where  
name="{}"'.format(isd)  
  
    aq.execute(quer)  
  
    mytable = from_db_cursor(aq)  
  
    print(mytable)  
  
    up=input('Enter which field you would change(*case  
sensitive language):' )  
  
    op=input('Enter new '+str(up)+':')
```

```
    quer='UPDATE doctor_details SET {}={} WHERE name={}'
    '.format(up,op,isd)

    aq.execute(quer)

    ad.commit()

    print('Your Details has been updated!!!')

    pk=input('Do you want to see the changes?(y/n):')

    if pk=='y':

        qr='select * from doctor_details where
name={}'.format(isd)

        aq.execute(qr)

        mytable = from_db_cursor(aq)

        print(mytable)

def del_doc():

    isd=input("Enter your Doctor's name:")

    aq.execute("select * from doctor_details where
name='"+isd+"'")

    mytable = from_db_cursor(aq)

    print(mytable)

    p=input("you really wanna delete this data? (y/n):")

    if p=="y":

        aq.execute("delete from doctor_details where
name='"+isd+"'")

        ad.commit()

        print("SUCCESSFULLY DELETED!!")

    else:

        print("NOT DELETED")

def doc_add():

    name=input("ENTER DR. NAME:")

    spe=input("ENTER SPECIALISATION:")

    age=input("ENTER AGE:")

    add=input("ENTER ADDRESS:")
```

```

cont=input("ENTER CONTACT NO.:")
fees=input("ENTER FEES:")
ms=input("ENTER MONTHLY_SALARY:")
aq.execute("insert into doctor_details
values('"+name+"','"+spe+"','"+age+"','"+add+"','"+cont+"','"++
fees+"','"+ms+"')")
ad.commit()
print("SUCCESSFULLY ADDED !!!")

```

## # MAIN PROGRAMME START

```

print("\t\t\t*****")"
print("\t\t\t*:::::*")"
print("\t\t\t*:::::*")"
print("\t\t\t*****:::::*****")"
print("\t\t\t*:::::MEDICOX:::::*")"
print("\t\t\t*:::::A VIRTUAL CLINIC:::*)"
print("\t\t\t*****:::::*****")"
print("\t\t\t*:::::*")"
print("\t\t\t*:::::*")"
print("\t\t\t*****")"
while True:
    print(' _____ ')
    print('|1.Check your Health Status |')
    print('|2.Change/Fix an Appointment|')
    print('|3.Health Awareness |')
    print('|4.ADMINISTRATION |')
    print('|5.EXIT |')
    print(' |_____ |')
    ch= int(input('\nENTER YOUR CHOICE:'))
    if ch==1:
        while True:
            print('\n')

```

```
print('|*****|*****|*****|*****|*****|*****|')
print('|1.Body Mass Index(BMI)      | ')
print('|2.Basal Metabolic Rate(BMR) | ')
print('|3.Waist-to-Hip Ratio(WHR)  | ')
print('|4.RETURN TO MAIN MENU     | ')
print('|*****|*****|*****|*****|*****|')

f= int(input('\nENTER YOUR CHOICE:'))

if f==1:
    bmi()

elif f==2:
    print('\n|-----| ')
    print('|1.For Male candidate   | ')
    print('|2.For Female candidate | ')
    print('-----| ')
    d=int(input('\nENTER YOUR CHOICE:'))

    if d==1:
        bmr()
    elif d==2:
        fbmr()
    else:
        print('INVALID ENTRY!!! PLEASE ENTER A
VALID ENTRY.')

elif f==3:
    print('\n|-----| ')
    print('|1.For Male candidate   | ')
    print('|2.For Female candidate | ')
    print('-----| ')
    d=int(input('\nENTER YOUR CHOICE:'))

    if d==1:
        whr()
    elif d==2:
```

```
        fwhr()

    else:

        print('INVALID ENTRY!!! PLEASE ENTER A
VALID ENTRY.')

    elif f==4:

        break

    else:

        print('INVALID ENTRY!!! PLEASE ENTER A VALID
ENTRY.')

elif ch==2:

    while True:

        print('*'*45)

        print('1.Fix an Appointment      | ')
        print('2.Check Appointment List   | ')
        print('3.Change your Appointment  | ')
        print('4.RETURN TO MAIN MENU     | ')
        print('*'*45)

        x= int(input('\nENTER YOUR CHOICE:'))

        if x==1:

            db()

        elif x==3:

            chge()

        elif x==2:

            print('\n|-----| ')
            print('1.For Your Appointment    | ')
            print('2.For All Appointment List| ')
            print('-----| ')

            p=int(input('\nENTER YOUR CHOICE:'))

            if p==1:

                yrapp()

            elif p==2:
```

```
    alapp()

else:

    print('INVALID ENTRY!!! PLEASE ENTER A
VALID ENTRY.')

elif x==4:

    break

else:

    print('INVALID ENTRY!!! PLEASE ENTER A VALID
ENTRY.')

elif ch==3:

    while True:

        print('\n|-----| ')
        print('|1.Malaria           | ')
        print('|2.Dengue            | ')
        print('|3.Chickenpox        | ')
        print('|4.Typhoid           | ')
        print('|5.Hair Loss          | ')
        print('|6.RETURN TO MAIN MENU| ')
        print('|-----| ')

        p=int(input('\nEnter YOUR CHOICE:'))

        if p==1:

            f= open(r'C:\Users\HP\Desktop\waste\project
data\malaria.txt','r')

            k=f.read()

            print(k)

        elif p==2:

            f= open(r'C:\Users\HP\Desktop\waste\project
data\dengue.txt','r')

            k=f.read()

            print(k)

        elif p==3:
```

```
f= open(r'C:\Users\HP\Desktop\waste\project  
data\chickenpox.txt','r')  
  
k=f.read()  
  
print(k)  
  
elif p==4:  
  
    f= open(r'C:\Users\HP\Desktop\waste\project  
data\typhoid.txt','r')  
  
    k=f.read()  
  
    print(k)  
  
elif p==5:  
  
    f= open(r'C:\Users\HP\Desktop\waste\project  
data\hair loss.txt','r')  
  
    k=f.read()  
  
    print(k)  
  
elif p==6:  
  
    break  
  
else:  
  
    print('INVALID ENTRY!!! PLEASE ENTER A VALID  
ENTRY.')  
  
elif ch==4:  
  
    while True:  
  
        print('\n|-----|')  
  
        print('|1.Check appointment with patients |')  
  
        print('|2.Show Details Of Doctors |')  
  
        print('|3.Add new Doctor |')  
  
        print("|4.change Doctor's record |")  
  
        print("|5.Delete Doctor's record |")  
  
        print('|6.RETURN TO MAIN MENU |')  
  
        print('|-----|')  
  
        p=int(input('\nEnter YOUR CHOICE:'))  
  
        if p==1:  
  
            ch_pat()
```

```
elif p==2:
    print('\n|-----| ')
    print('|1.For Specific Doctor |')
    print('|2.For All Doctors |')
    print('|-----| ')
    p=int(input('\nENTER YOUR CHOICE:'))
    if p==1:
        i=input('Enter your Name:')
        qe='select * from doctor_details where
name="{}"'.format(i)
        aq.execute(qe)
        mytable = from_db_cursor(aq)
        print(mytable)
    elif p==2:
        aq.execute('select * from doctor_details ')
        mytable = from_db_cursor(aq)
        print(mytable)
    else:
        print('INVALID ENTRY!!! PLEASE ENTER A VALID
ENTRY.')
    elif p==3:
        doc_add()
    elif p==4:
        doc_chge()
    elif p==5:
        del_doc()
    elif p==6:
        break
    else:
        print('INVALID ENTRY!!! PLEASE ENTER A VALID
ENTRY.') 
```

```
elif ch==5:  
    break  
else:  
    print('INVALID ENTRY!!! PLEASE ENTER A VALID ENTRY.')
```

# INPUT/OUTPUT INTERFACE

```
| ****|  
| 1.Body Mass Index(BMI) |  
| 2.Basal Metabolic Rate(BMR)|  
| 3.Waist-to-Hip Ratio(WHR)|  
| 4.RETURN TO MAIN MENU |  
| ****|
```

ENTER YOUR CHOICE:3

```
|-----|  
|1.For Male candidiate |  
|2.For Female candidiate |  
|-----|
```

ENTER YOUR CHOICE:1

Waist-to-hip ratio, also known as waist-hip ratio, is the circumference of the waist divided by the circumference of the hips.

The waist-to-hip ratio (WHR) is a quick measure of fat distribution that may help indicate a person overall health. People who carry more weight around their middle than their hips may be at a higher risk of developing certain health conditions.

Measuring your waist:-

use your tape measure to measure midway between your lowest rib and the top of your hips - it should be the part just above your belly button.

Measuring your hips:-

measure at the widest point around the buttocks. Again, hold the tape snugly but do not pull it in, and make sure its level all the way around.

Enter your Waist measurement(inches):5.5

Enter your Hip measurement(inches):3.5

YOUR Waist-to-Hip Ratio(WHR) is: 1.571

Your Health is at HIGH RISK!!

```
| ****|  
| 1.Body Mass Index(BMI) |  
| 2.Basal Metabolic Rate(BMR)|  
| 3.Waist-to-Hip Ratio(WHR)|  
| 4.RETURN TO MAIN MENU |  
| ****|
```

ENTER YOUR CHOICE:4

```
| 1.Check your Health Status |  
| 2.Change/Fix an Appointment|  
| 3.Health Awareness |  
| 4.ADMINISTRATION |  
| 5.EXIT |  
|_____|
```

ENTER YOUR CHOICE:2

```
| ****|  
| 1.Fix an Appointment |  
| 2.Check Appointment List |  
| 3.Change your Appointment |  
| 4.RETURN TO MAIN MENU |  
| ****|
```

ENTER YOUR CHOICE:1

Enter your Name:monis

Enter your Gender(m/f) :m

Enter your Age:25

Enter your Phone\_no. :3698521473

Enter your Problem :eye pain

name	specialisation	fees
dr. m.k bedi	cardiologist	1550
dr.aqib hussain	Ophthalmologist	1000
dr.paras gupta	neurologist	1500
dr.sk goyal	dentist	2500
dr.tarandeep singh	skin	800

Enter Doctor name(same as above given|^) :dr.aqib hussain

Similarly, WHR for  
female candidate can  
be calculated easily...

## Python 3.8.0 Shell\*

File Edit Shell Debug Options Window Help

The calendar of year 2020 is :

2020

January							February							March							April							May							June						
Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su							
1	2	3	4	5				1	2					1	2	3	4	5			1	2	3				1	2	3	4	5	6	7								
6	7	8	9	10	11	12	3	4	5	6	7	8	9	2	3	4	5	6	7	8	9	10	11	12	4	5	6	7	8	9	10										
13	14	15	16	17	18	19	10	11	12	13	14	15	16	9	10	11	12	13	14	15	13	14	15	16	17	11	12	13	14	15	16	17									
20	21	22	23	24	25	26	17	18	19	20	21	22	23	16	17	18	19	20	21	22	23	24	25	26	18	19	20	21	22	23	24										
27	28	29	30	31			24	25	26	27	28	29		23	24	25	26	27	28	29	27	28	29	30	25	26	27	28	29	30	31	29	30								
														30	31																										
July	August	September	October	November	December	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su								
1	2	3	4	5		1	2						1	2	3	4	5	6		1	2	3	4	5	6	7	1	2	3	4	5	6	7								
6	7	8	9	10	11	12	3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	13							
13	14	15	16	17	18	19	10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18	19	20	21	14	15	16	17	18	19	20				
20	21	22	23	24	25	26	17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	21	22	23	24	25	26	27							
27	28	29	30	31			24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31	30														

You can choose your date which is given above|^|

Enter your Appointment Date(YYYY-MM-DD):2020-02-15

Enter your Shift(morning\evening) :morning

Your Appointment ID is: mon2537412

	App_id		Name		Gender		Age		Phone		Problem		doctor_name		app_date		shift	
	mon2537412		monis		m		25		3698521473		eye pain		dr.aqib hussain		2020-02-15		morning	

Your Appointment has been fixed.please remember your Appointment ID for further use!!

```
*****
1.Fix an Appointment
2.Check Appointment List
3.Change your Appointment
4.RETURN TO MAIN MENU
*****
```

ENTER YOUR CHOICE:2

```
-----
1.For Your Appointment
2.For All Appointment List
-----
```

ENTER YOUR CHOICE:1

Enter your Appointment ID:mon2537412

	App_id		Name		Gender		Age		Phone		Problem		doctor_name		app_date		shift	
	mon2537412		monis		m		25		3698521473		eye pain		dr.aqib hussain		2020-02-15		morning	

```
*****
1.Fix an Appointment
2.Check Appointment List
3.Change your Appointment
4.RETURN TO MAIN MENU
*****
```

ENTER YOUR CHOICE:2

```
-----
1.For Your Appointment
2.For All Appointment List
-----
```

ENTER YOUR CHOICE:2

	App_id		Name		Gender		Age		Phone		Problem		doctor_name		app_date		shift	
	aqi18746312		aqib		m		18		36985213647		head ache		dr.aqib hussain		2020-05-12		morning	
	tar1866417		taran		f		18		7714171466		stomach pain		dr.paras gupta		2020-06-12		evening	
	sik2538527		siku		m		25		3691472583		back pain		dr. m.k bedi		2020-12-06		morning	
	raj36245689		raju		m		36		12378986542		vomiting		dr.sk goyal		2020-04-15		evening	
	per2547692		person		m		25		1238529674		swelling in foot		dr.sk goyal		2020-04-06		morning	
	mon2537412		monis		m		25		3698521473		eye pain		dr.aqib hussain		2020-02-15		morning	

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File Edit Shell Debug Options Window Help

```
+-----+-----+-----+
|*****|*****|*****|
|1.Fix an Appointment |
|2.Check Appointment List |
|3.Change your Appointment |
|4.RETURN TO MAIN MENU |
|*****|*****|*****|
```

Similarly, other  
fields can be  
changed easily...

ENTER YOUR CHOICE:3

Enter your Appointment ID:mon2537412

App_id	Name	Gender	Age	Phone	Problem	doctor_name	app_date	shift
mon2537412	monis	m	25	3698521473	eye pain	dr.aqib hussain	2020-02-15	morning

Enter which field you would change(\*case sensitive language):Age

Enter new Age:23

Your Appointment has been updated!!

Do you want to see the changes?(y/n):y

App_id	Name	Gender	Age	Phone	Problem	doctor_name	app_date	shift
mon2537412	monis	m	23	3698521473	eye pain	dr.aqib hussain	2020-02-15	morning

```
+-----+-----+-----+
|1.Fix an Appointment |
|2.Check Appointment List |
|3.Change your Appointment |
|4.RETURN TO MAIN MENU |
|*****|
```

ENTER YOUR CHOICE:4

```
|1.Check your Health Status |
|2.Change/Fix an Appointment|
|3.Health Awareness
|4.ADMINISTRATION
|5.EXIT
|-----|
```

ENTER YOUR CHOICE:3

```
|-----|
|1.Malaria
|2.Dengue
|3.Chickenpox
|4.Typhoid
|5.Hair Loss
|6.RETURN TO MAIN MENU |
|-----|
```

Similarly, any other  
awareness of diseases  
can be access easily...

ENTER YOUR CHOICE:5

-----  
HAIR LOSS

Hair loss can range from mild hair thinning to total baldness. Hair can fall out for many different reasons. Medically, hair loss falls into several categories, including: A common form of hair loss happens two to three months after a major body stress, such as a prolonged illness, major surgery or serious infection. It also can happen after a sudden change in hormone levels, especially in women after childbirth. Moderate amounts of hair fall out but it is rare to see large bald spots.

-----  
CAUSES

Drug side effects:- Hair loss can be a side effect of certain medications and cause sudden hair loss affecting the entire head.

Symptom of a medical illness :- Hair loss can be one of the symptoms of a medical illness, such as thyroid disorder (such as hypothyroidism or hyperthyroidism), a sex-hormone imbalance or a serious nutritional problem, especially a deficiency of protein, iron, zinc or biotin. These deficiencies are most common in people on restrictive diets and women who have very heavy menstrual flow.

Fungal infection of the scalp :- This form of patchy hair loss happens when certain types of fungi infect the scalp. It is a common form of patchy hair loss in children.

Hereditary pattern baldness :- In men, hair loss may follow the typical male pattern (receding front hairline and/or thinning hair at the top of the head).

This is the most common type of hair loss, and it can begin at any time in a man's life, even during his teen years. It usually is caused by the interaction of three

factors: an inherited tendency toward baldness, male hormones and increasing age. In women, thinning occurs over the entire top or crown of the scalp, sparing the front of the scalp.

| SYMPTOMS |

We normally lose approximately 50 to 100 scalp hairs each day. If more than this is falling out it is a cause of concern.

One may also notice that the hair is generally thinner and that one or more bald patches have appeared.

| PREVENTION |

Some forms of hair loss can be prevented by minimizing stress, eating a healthy diet and using sensible hair dressing techniques, and, if possible, switching to medications that do not cause hair loss. Hair loss from fungal infections can be prevented by keeping hair clean and by never sharing hats, combs or brushes with other people. Hair loss from hereditary-pattern baldness can sometimes be prevented by medication.

-----
1.Malaria
2.Dengue
3.Chickenpox
4.Typhoid
5.Hair Loss
6.RETURN TO MAIN MENU
-----

ENTER YOUR CHOICE:6

1.Check your Health Status
2.Change/Fix an Appointment
3.Health Awareness
4.ADMINISTRATION
5.EXIT
-----

ENTER YOUR CHOICE:4

1.Check appointment with patients
2.Show Details Of Doctors
3.Add new Doctor
4.change Doctor's record
5.Delete Doctor's record
6.RETURN TO MAIN MENU
-----

ENTER YOUR CHOICE:1

Enter your name:dr.aqib hussain

App_id	Name	Gender	Age	Phone	Problem	doctor_name	app_date	shift
aqi18746312	aqib	m	18	36985213647	head ache	dr.aqib hussain	2020-05-12	morning
mon2537412	monis	m	23	3698521473	eye pain	dr.aqib hussain	2020-02-15	morning

1.Check appointment with patients
2.Show Details Of Doctors
3.Add new Doctor
4.change Doctor's record
5.Delete Doctor's record
6.RETURN TO MAIN MENU
-----

ENTER YOUR CHOICE:2

-----
1.For Specific Doctor
2.For All Doctors
-----

ENTER YOUR CHOICE:1

Enter your Name:dr.sk goyal

name	specialisation	age	address	contact_no	fees	monthly_salary
dr.sk goyal	dentist	45	jheel	3698521470	2500	85000

```

*Python 3.8.0 Shell*
File Edit Shell Debug Options Window Help
|-----|
|1.Check appointment with patients |
|2.Show Details Of Doctors |
|3.Add new Doctor |
|4.change Doctor's record |
|5.Delete Doctor's record |
|6.RETURN TO MAIN MENU |
|-----|
ENTER YOUR CHOICE:2
|-----|
|1.For Specific Doctor |
|2.For All Doctors |
|-----|
ENTER YOUR CHOICE:2
+-----+
|   name      | specialisation | age | address | contact_no | fees | monthly_salary |
+-----+
| dr. m.k bedi | cardiologist | 55 | new delhi | 1001001009 | 1550 | 85000 |
| dr.aqib hussain | Ophthalmologist | 22 | rajgarh colony | 8700241231 | 1000 | 70000 |
| dr.paras gupta | neurologist | 25 | shahdara | 9874563218 | 1500 | 75000 |
| dr.sk goyal | dentist | 45 | jheel | 3698521470 | 2500 | 85000 |
| dr.tarandeep singh | skin | 35 | shahdara | 8521479630 | 800 | 60000 |
+-----+
|-----|
|1.Check appointment with patients |
|2.Show Details Of Doctors |
|3.Add new Doctor |
|4.change Doctor's record |
|5.Delete Doctor's record |
|6.RETURN TO MAIN MENU |
|-----|
ENTER YOUR CHOICE:3
ENTER DR. NAME:dr.neelam garg
ENTER SPECIALISATION:pathalogist
ENTER AGE:40
ENTER ADDRESS:durga puri
ENTER CONTACT NO.:9632587413
ENTER FEES:550
ENTER MONTHLY_SALARY:95000
SUCCESSFULLY ADDED !!!
|-----|
|1.Check appointment with patients |
|2.Show Details Of Doctors |
|3.Add new Doctor |
|4.change Doctor's record |
|5.Delete Doctor's record |
|6.RETURN TO MAIN MENU |
|-----|


- Similarly, other fields
- of doctor's details can
- be change easily...


ENTER YOUR CHOICE:4
Enter your Doctor's name:dr.sk goyal
+-----+
|   name      | specialisation | age | address | contact_no | fees | monthly_salary |
+-----+
| dr.sk goyal | dentist | 45 | jheel | 3698521470 | 2500 | 85000 |
+-----+
Enter which field you would change(*case sensitive language):address
Enter new address:kailash nagar
Your Details has been updated!!
Do you want to see the changes?(y/n):y
+-----+
|   name      | specialisation | age | address | contact_no | fees | monthly_salary |
+-----+
| dr.sk goyal | dentist | 45 | kailash nagar | 3698521470 | 2500 | 85000 |
+-----+

```

# Python 3.8.0 Shell

File Edit Shell Debug Options Window Help



-----
1.Check appointment with patients
2.Show Details Of Doctors
3.Add new Doctor
4.change Doctor's record
5.Delete Doctor's record
6.RETURN TO MAIN MENU
-----

ENTER YOUR CHOICE:5

Enter your Doctor's name:dr. m.k bedi

-----+-----+-----+-----+-----+-----+-----+-----+
name   specialisation   age   address   contact_no   fees   monthly_salary
-----+-----+-----+-----+-----+-----+-----+-----+
dr. m.k bedi   cardiologist   55   new delhi   1001001009   1550   85000
-----+-----+-----+-----+-----+-----+-----+-----+

you really wanna delete this data? (y/n):y

SUCCESSFULLY DELETED!!

-----
1.Check appointment with patients
2.Show Details Of Doctors
3.Add new Doctor
4.change Doctor's record
5.Delete Doctor's record
6.RETURN TO MAIN MENU
-----

ENTER YOUR CHOICE:6

-----
1.Check your Health Status
2.Change/Fix an Appointment
3.Health Awareness
4.ADMINISTRATION
5.EXIT
-----

ENTER YOUR CHOICE:5

>>>

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# BIBLIOGRAPHY

- Computer science in python by –sumita arora.
- Computer science in python by -preeti arora.

<https://ehealth.eletsonline.com>

<https://www.google.co.in/>

<https://www.w3schools.com/>