

# TRAIN RESERVATION SYSTEM

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Y2-SEC/CSE{AI&ML}

[illegible]

Rs.1585\n"); printf("\t\t\tHyderabad-Chennai(route 6)      Rs.245      Rs.415      Rs.1100

Rs.1550\n");

printf("#####  
##\n\n");

```
for(int i=1;i<=10;i++)
{
    printf("\n\nSelect Your Choice\n");
printf("1.Seater");
printf("\n2.Sleeper");
printf("\n3.A/C 3-Tier");
printf("\n4.A/C 2-Tier");
printf("\nyour choice :");
scanf("%d",&choice);
```

```
switch(choice)
{

case 1:
    printf("Enter Route Number ");
scanf("%d",&r); printf("\nHow many seats you want
in Seater Class : "); scanf("%d",&ta);
if(r==1)
```

```
{  
    C=ta*145;    printf("\nCost for %d Seats in Seater  
Class =Rs.%d",ta,C);  
    sleep(2);  
break;  
}  
else if(r==2)  
{  
    C=ta*245;    printf("\nCost for %d Seats in Seater  
Class =Rs.%d",ta,C);  
    sleep(2);  
break;  
}
```

```
else if(r==3)
{
    C=ta*245;    printf("\nCost for %d Seats in Seater
Class =Rs.%d",ta,C);
    sleep(2);
break;
}
else if(r==4)
{
    C=ta*145;    printf("\nCost for %d Seats in Seater
Class =Rs.%d",ta,C);
    sleep(2);
break;
}
else if(r==5)
{
    C=ta*245;    printf("\nCost for %d Seats in Seater
Class =Rs.%d",ta,C);
    sleep(2);

break;
```

```
    }

    else if(r==6)

    {
        C=ta*245;    printf("\nCost for %d Seats in Seater
Class =Rs.%d",ta,C);
        sleep(2);
break;
    }

    case 2:

        printf("Enter Route Number ");
scanf("%d",&r);    printf("\nHow many seats you want in
Sleeper class : ");    scanf("%d",&ta);

    if(r==1)

    {
        C=ta*260;    printf("\nCost for %d Seats in Sleeper
Class =Rs.%d",ta,C);
        sleep(2);
break;
    }

    else if(r==2)
```

```
{
    C=ta*410;    printf("\nCost for %d Seats in Sleeper
Class =Rs.%d",ta,C);
    sleep(2);
break;
}
else if(r==3)
{
    C=ta*415;    printf("\nCost for %d Seats in Sleeper
Class =Rs.%d",ta,C);
    sleep(2);
break;
}
if(r==4)
{
    C=ta*260;    printf("\nCost for %d Seats in Sleeper
Class =Rs.%d",ta,C);
    sleep(2);
if(r==5)

break;
```

```

    }

    {
        C=ta*410;    printf("\nCost for %d Seats in Sleeper
Class =Rs.%d",ta,C);
        sleep(2);
break;
    }

    if(r==6)
    {
        C=ta*415;    printf("\nCost for %d Seats in Sleeper
Class =Rs.%d",ta,C);
        sleep(2);
break;
    }

    case 3:
        printf("Enter Route Number ");
scanf("%d",&r);    printf("\nHow many seats you want
in A/C 3-Tier : ");    scanf("%d",&ta);

    if(r==1)
    {

```



```
C=ta*635;    printf("\nCost for %d Seats in A/C 3-  
Tier =Rs.%d",ta,C);  
    sleep(2);  
break;  
}  
else if(r==2)  
{  
    C=ta*1110;    printf("\nCost for %d Seats in A/C  
3-Tier =Rs.%d",ta,C);  
    sleep(2);  
break;  
}  
else if(r==3)  
{  
    C=ta*1100;    printf("\nCost for %d Seats in A/C  
3-Tier =Rs.%d",ta,C);  
    sleep(2);  
else if(r==4)  
{  
  
  
break;
```

```
    }

    C=ta*635;    printf("\nCost for %d Seats in A/C 3-
Tier =Rs.%d",ta,C);

    sleep(2);
break;

}

else if(r==5)

{

    C=ta*1110;    printf("\nCost for %d Seats in A/C
3-Tier =Rs.%d",ta,C);

    sleep(2);
break;

}

else if(r==6)

{

    C=ta*1100;    printf("\nCost for %d Seats in A/C
3-Tier =Rs.%d",ta,C);

    sleep(2);

    break;

}
```

```
case 4:

    printf("Enter Route Number ");

scanf("%d",&r);    printf("\nHow many seats you want
in A/C 2-Tier : ");    scanf("%d",&ta);

    if(r==1)
    {
        C=ta*865;    printf("\nCost for %d Seats in A/C 2-
Tier =Rs.%d",ta,C);

        sleep(2);
break;
    }

    else if(r==2)

    {
        C=ta*1585;    printf("\nCost for %d Seats in A/C
2-Tier =Rs.%d",ta,C);

        sleep(2);
    else if(r==3)
    {

break;
```

```
    }

    C=ta*1550;    printf("\nCost for %d Seats in A/C
2-Tier =Rs.%d",ta,C);

    sleep(2);
break;

}

else if(r==4)

{

    C=ta*865;    printf("\nCost for %d Seats in A/C 2-
Tier =Rs.%d",ta,C);

    sleep(2);
break;

}

else if(r==5)

{

    C=ta*1585;    printf("\nCost for %d Seats in A/C
2-Tier =Rs.%d",ta,C);

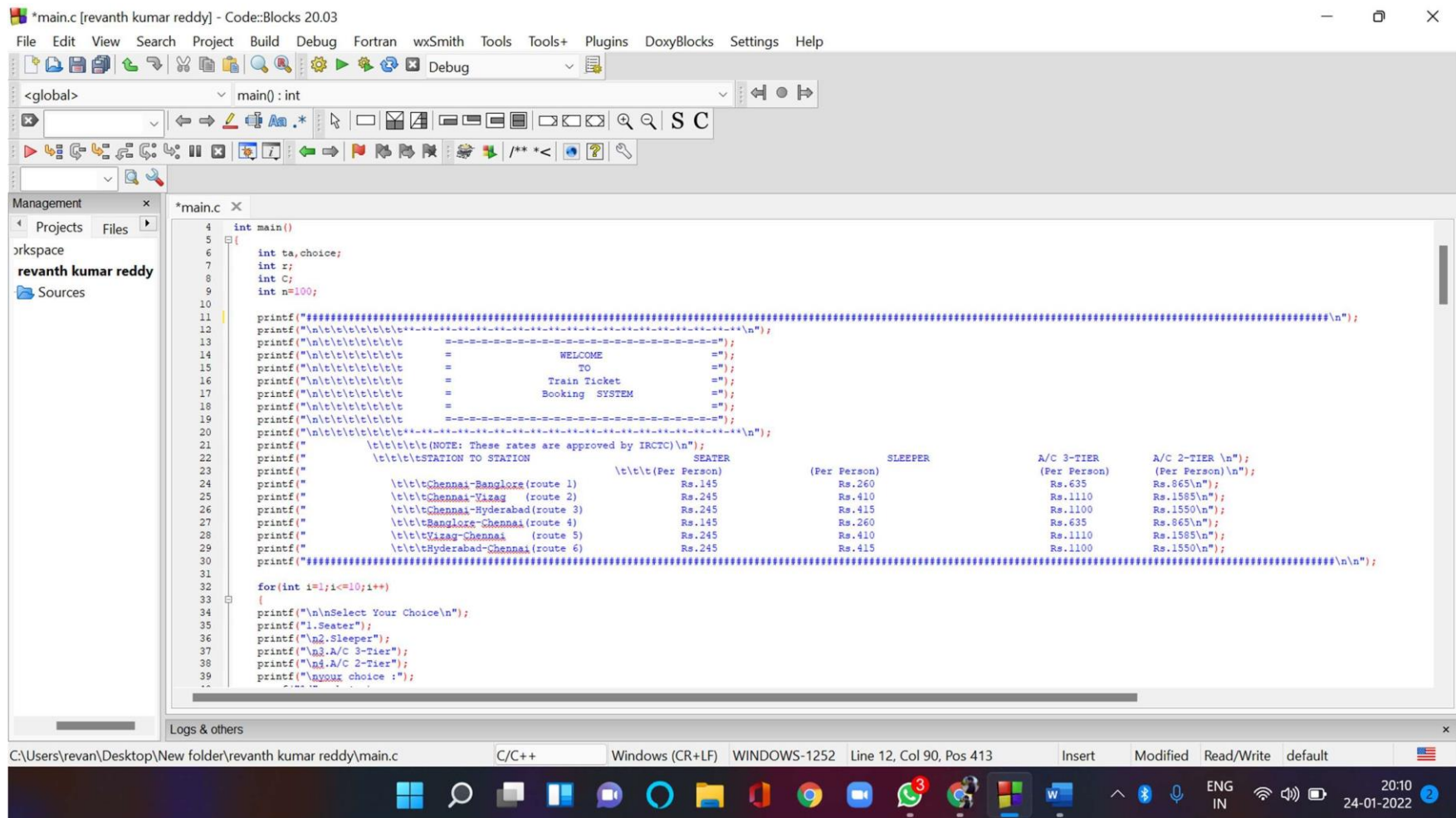
    sleep(2);
```



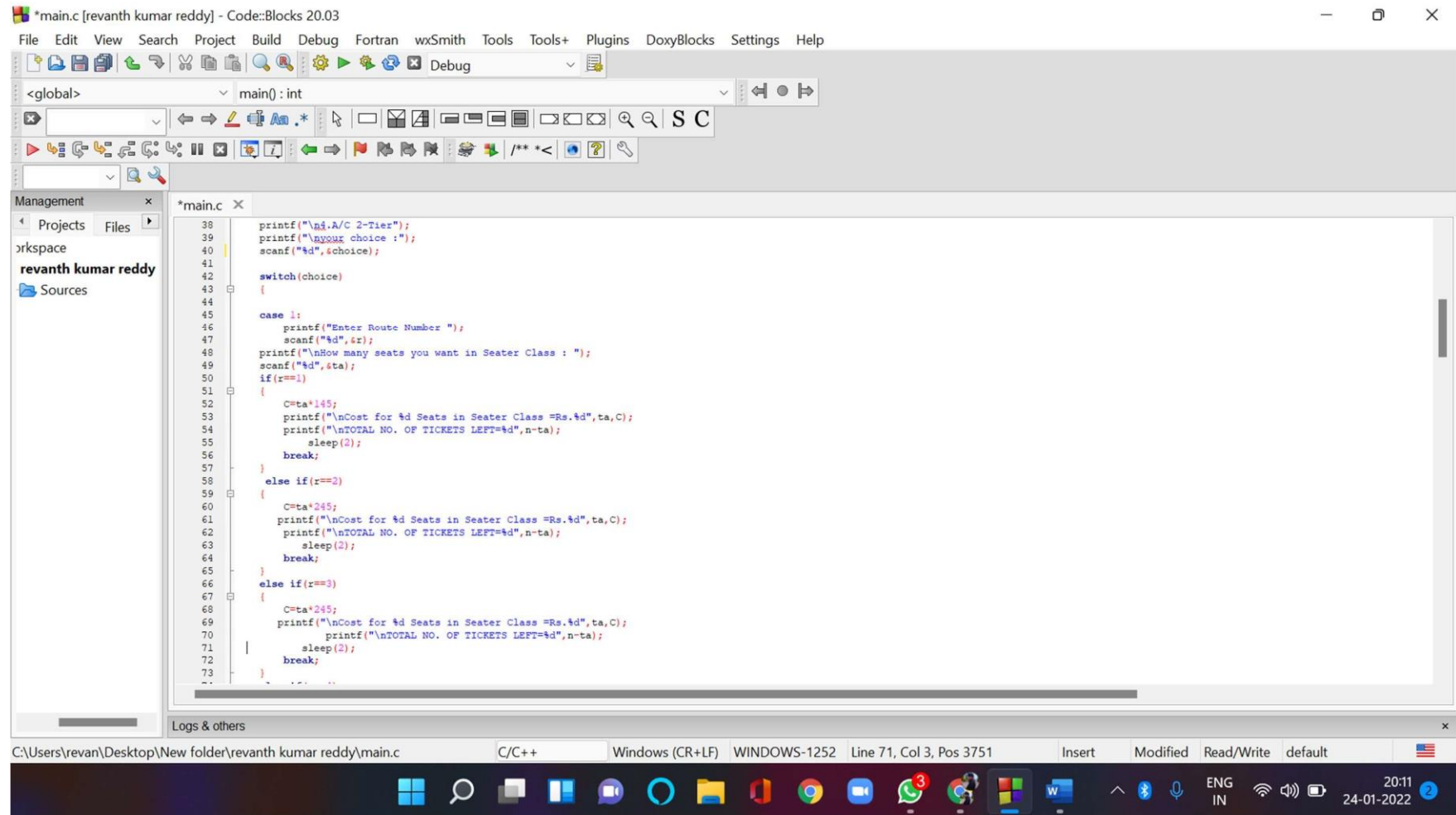
```
        break;
    }
    else if(r==6)
    {
        C=ta*1550;    printf("\nCost for %d Seats in A/C
2-Tier =Rs.%d",ta,C);
        sleep(2);
    break;
    }
    getch();}
}}
```

# CODE SCREENSHOTS

## SCREENSHOT-1

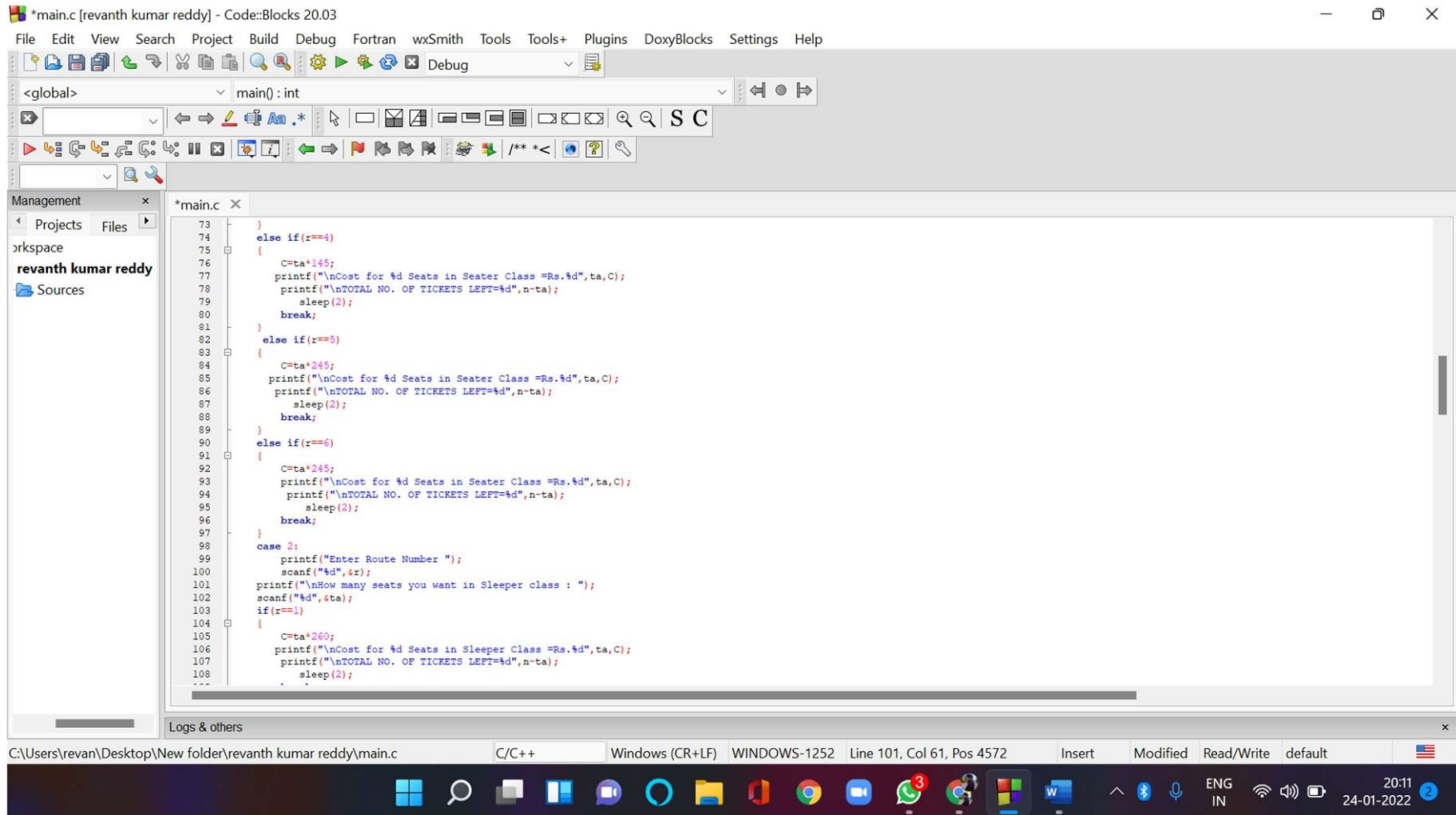


## SCREENSHOT-2:

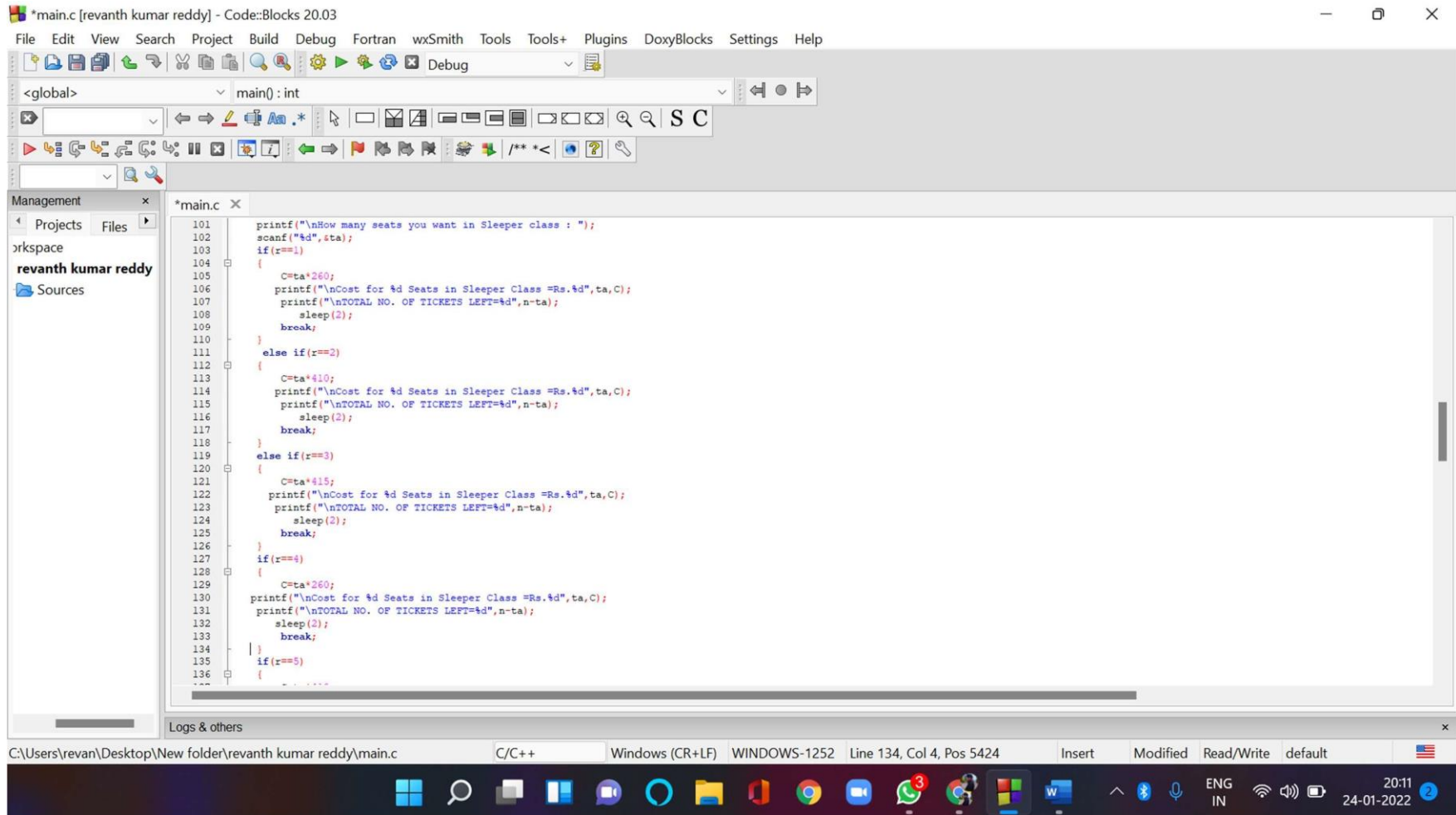




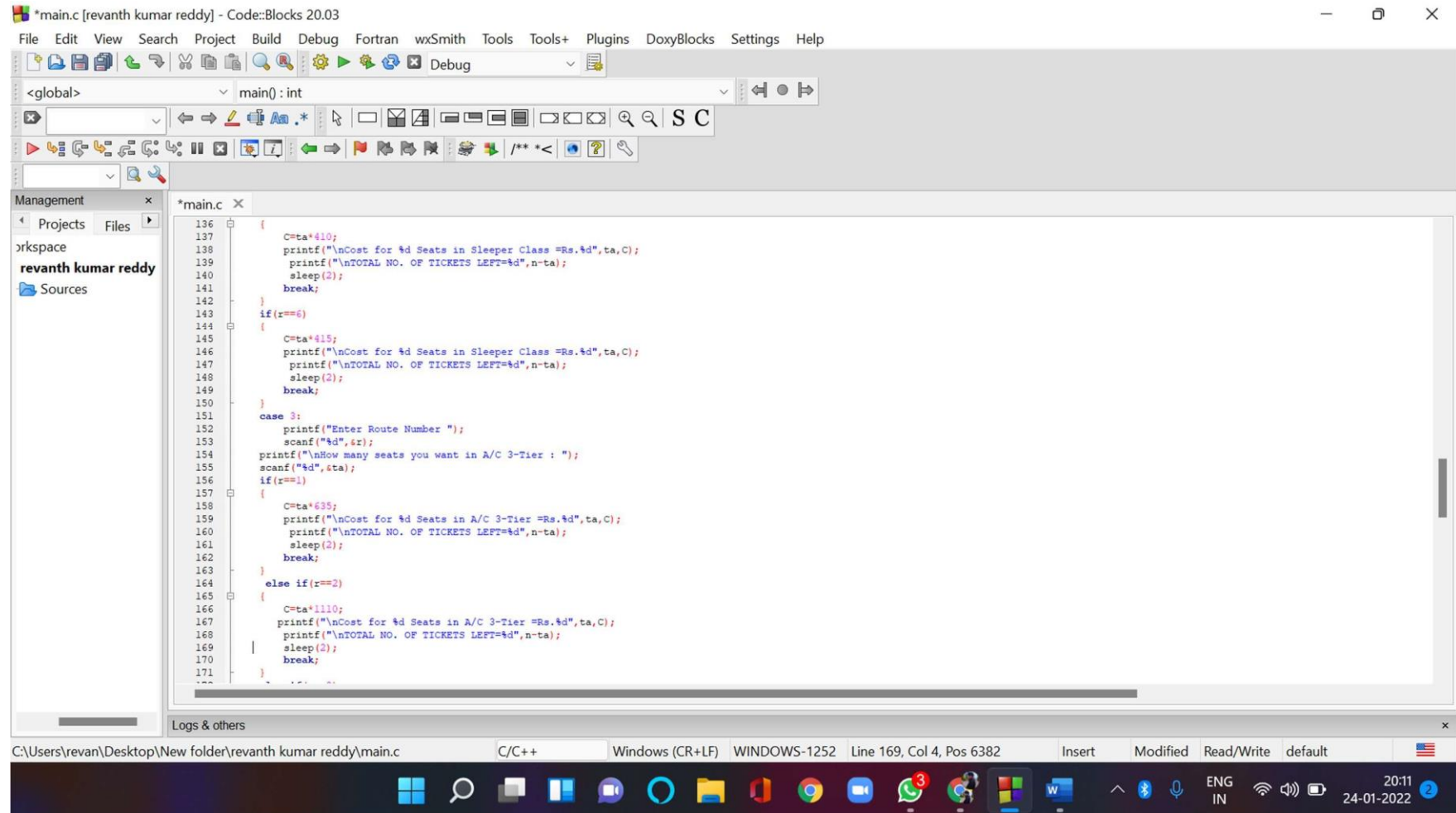
## SCREENSHOT-3:



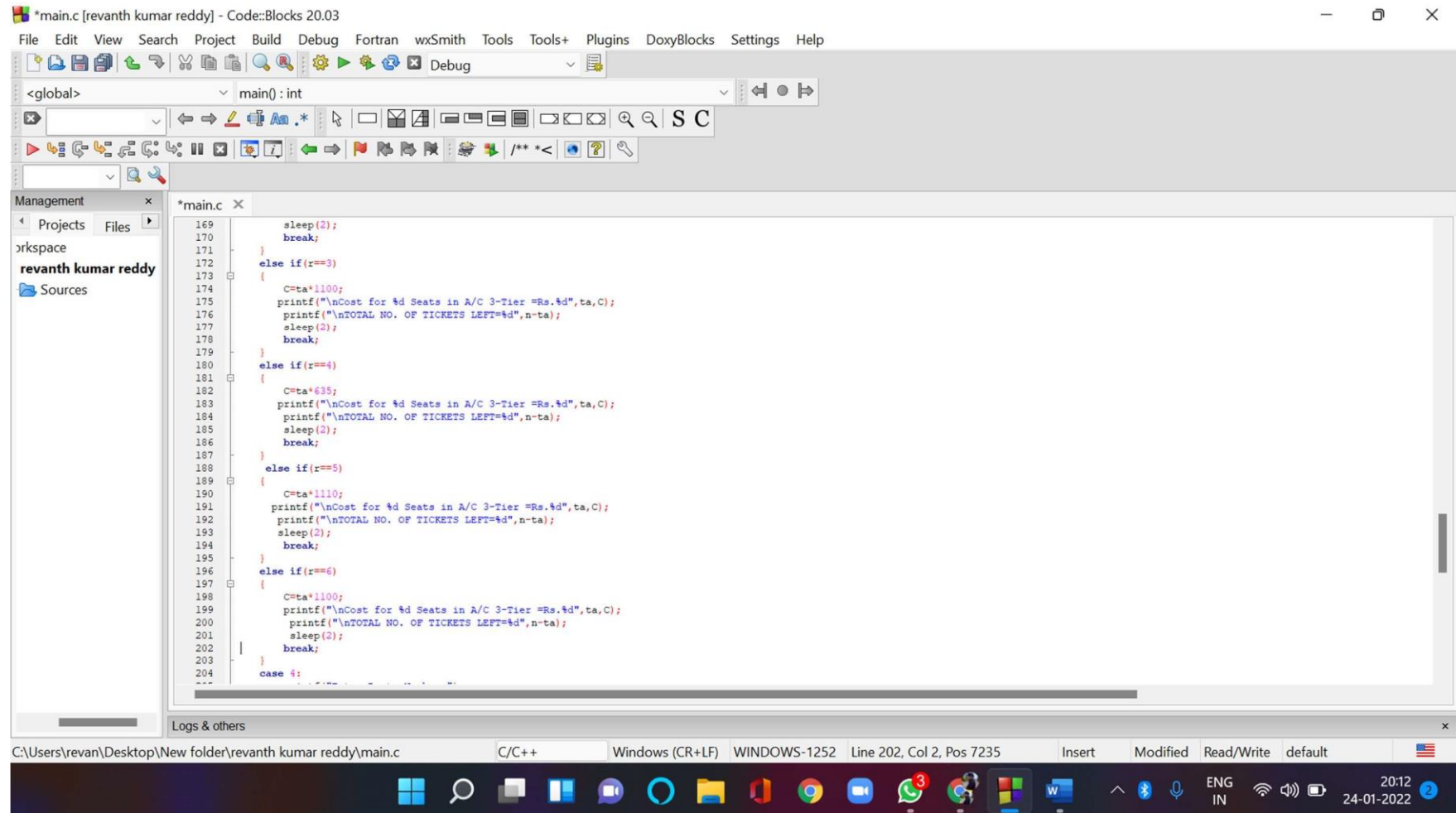
## SCREENSHOT-4:



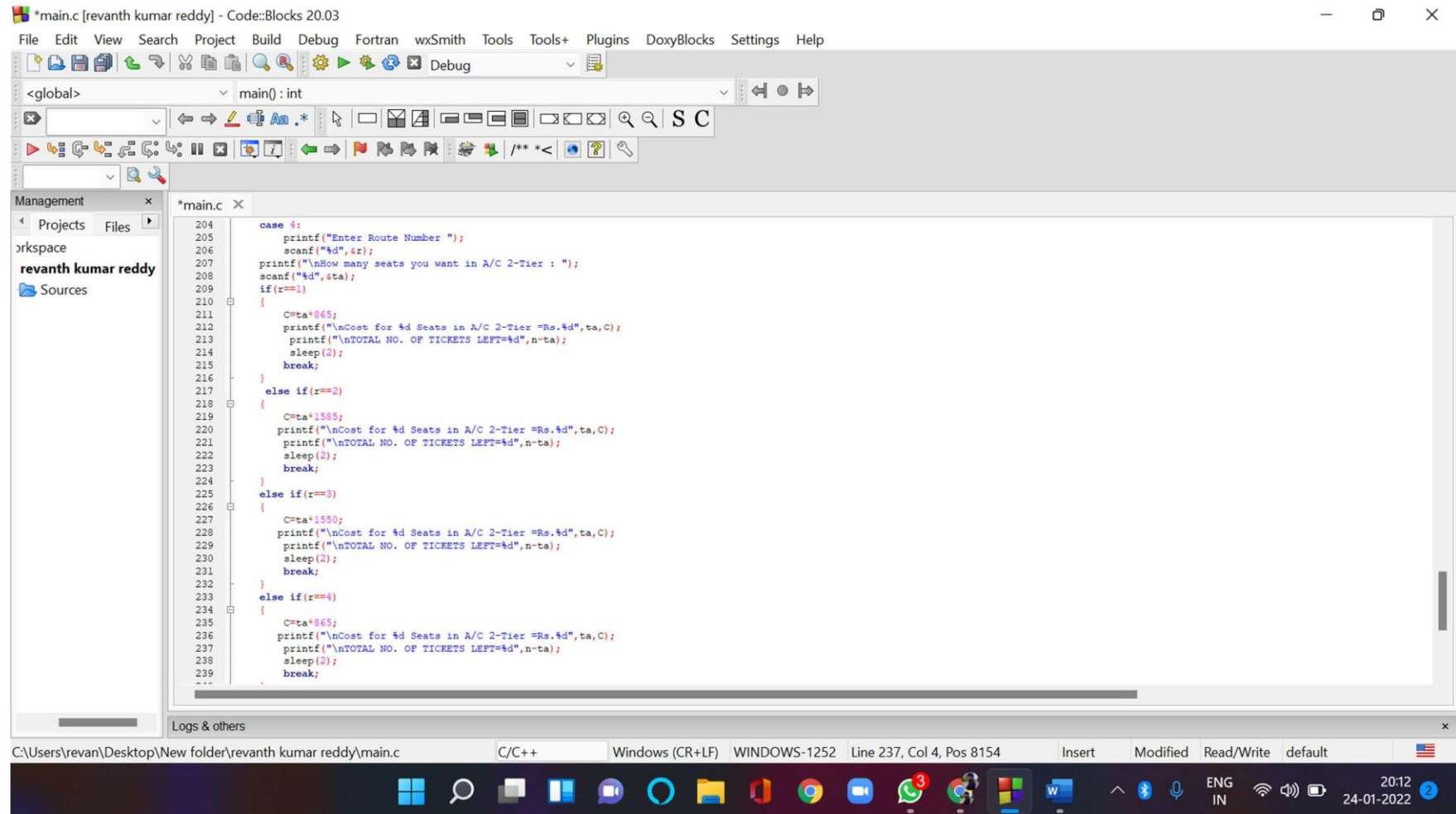
## SCREENSHOT-5:



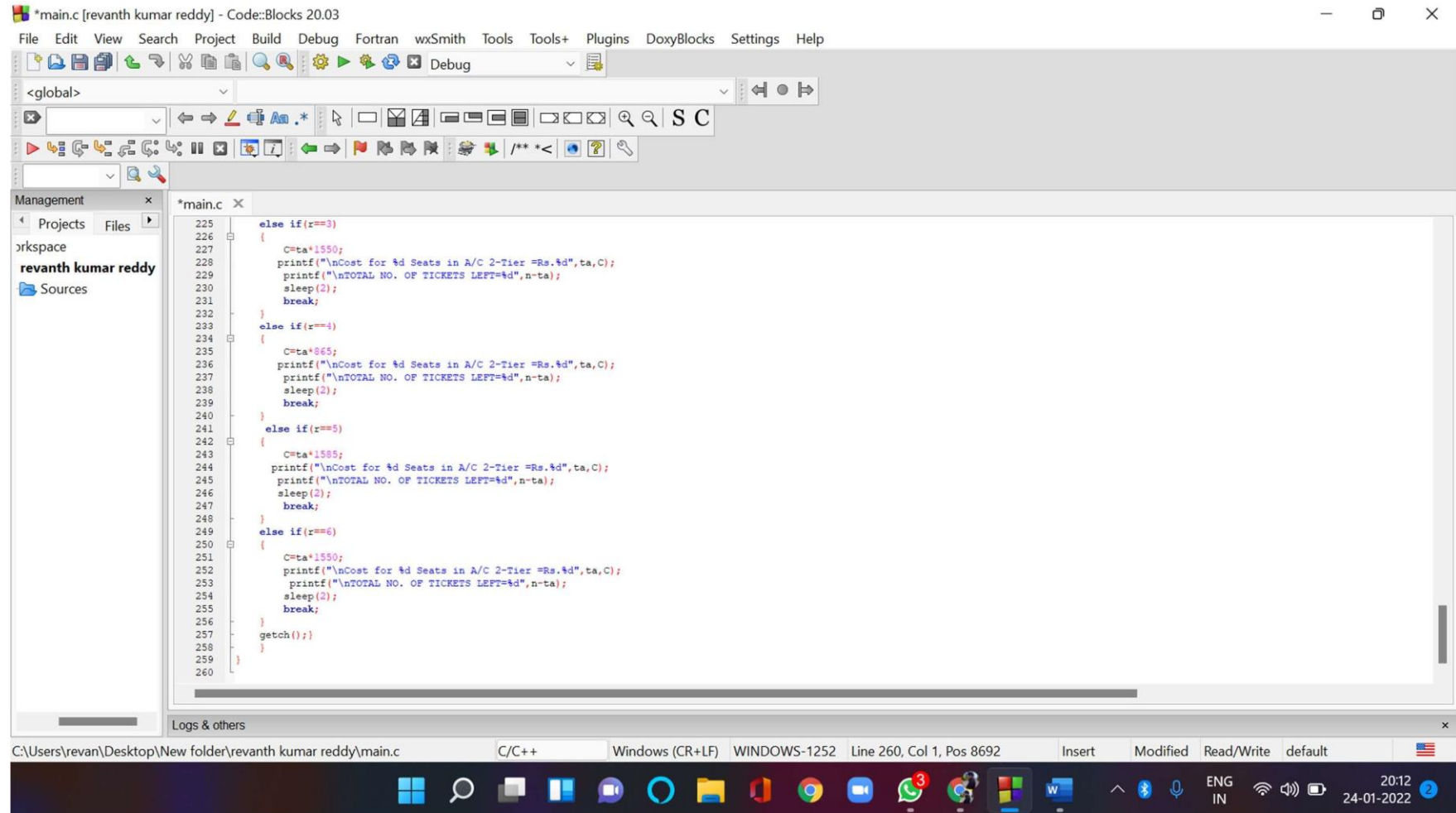
## SCREENSHOT-6:



## SCREENSHOT-7:



## SCREENSHOT-8:



## #ALGORITHM

Step-1:

Start

Step-2:

Initialize variables

Step-3:

Take the input from the user and calculate the price according to route

Step-4:

Case1:SEATER CLASS( check the condition for if and else)

Case2: SLEEPER CLASS( check the condition for if and else)

Case3:A/C 3-Tier( check the condition for if and else)

Case4:A/C 2-Tier( check the condition for if and else)

Case5:Exit

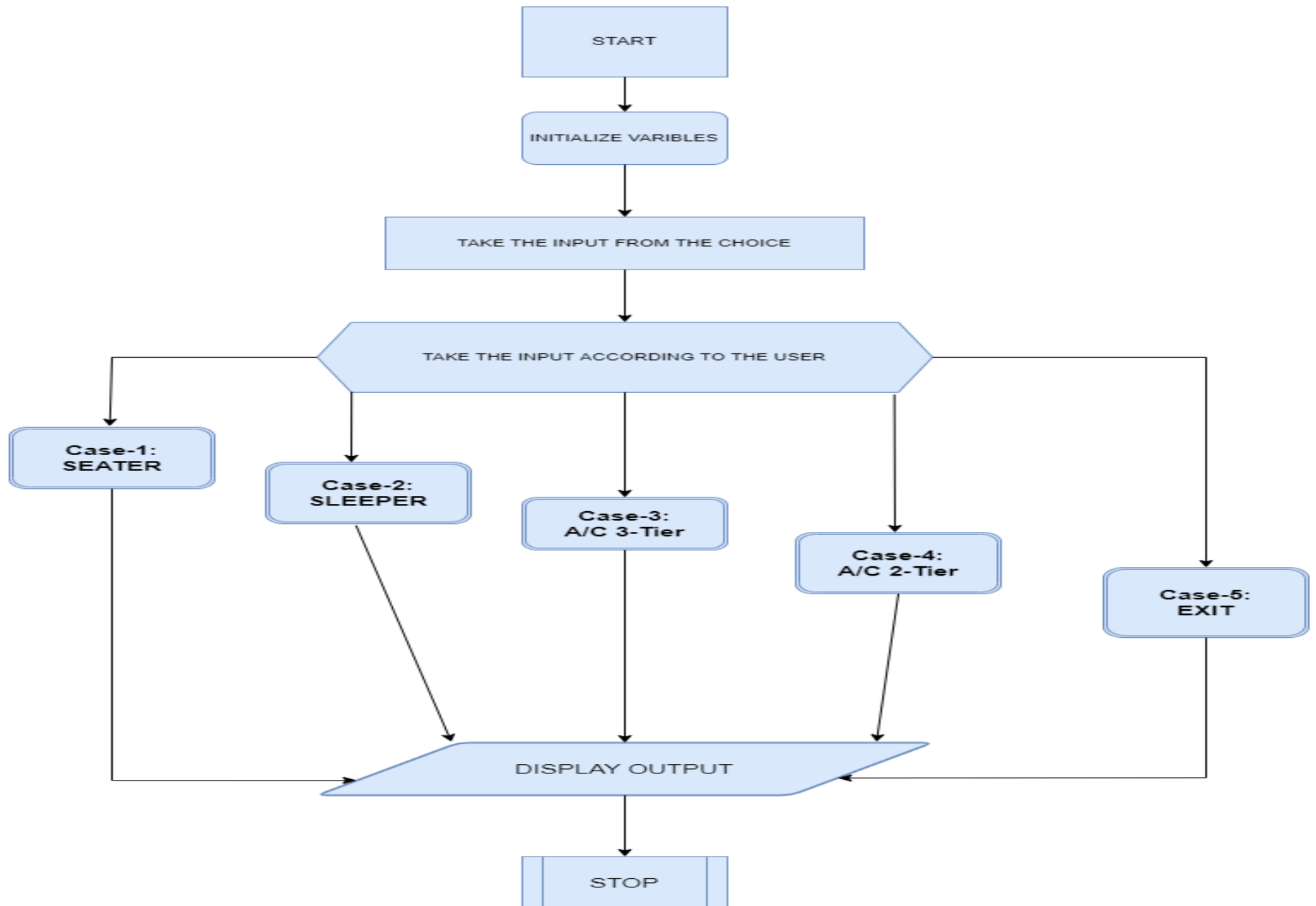
Step-5:

Display the amount according to the route that choosed by the user

Step-6:

Stop.

## FLOW CHART





# OUTPUT SCREENSHOTS

## SCREENSHOT-1:

```
"C:\Users\revan\Desktop\New folder\revanth kumar reddy\bin\Debug\revanth kumar reddy.exe"

=====
WELCOME
TO
Train Ticket
Booking SYSTEM
=====

(NOTE: These rates are approved by IRCTC)

STATION TO STATION          (Per Person) SEATER          (Per Person) SLEEPER          A/C 3-TIER          A/C 2-TIER
                                (Per Person)                                (Per Person)
Chennai-Banglore(route 1)    Rs.145                                Rs.260
Chennai-Vizag (route 2)     Rs.245                                Rs.410
Chennai-Hyderabad(route 3)   Rs.245                                Rs.415
Banglore-Chennai(route 4)    Rs.145                                Rs.260
Vizag-Chennai (route 5)     Rs.245                                Rs.410
Hyderabad-Chennai(route 6)   Rs.245                                Rs.415

=====

Select Your Choice
1.Seater
2.Sleeper
3.A/C 3-Tier
4.A/C 2-Tier
your choice :1
Enter Route Number 1

How many seats you want in Seater Class : 1

Cost for 1 Seats in Seater Class =Rs.145
TOTAL NO. OF TICKETS LEFT=99_
```

## SCREENSHOT-2:

```

C:\Users\revan\Desktop\New folder\revan kumar reddy\bin\Debug\revan kumar reddy.exe

=====
=                                     =
=          WELCOME                    =
=          TO                        =
=          Train Ticket              =
=          Booking SYSTEM            =
=                                     =
=====
(NOTE: These rates are approved by IRCTC)
STATION TO STATION      SEATER      SLEEPER      A/C 3-TIER      A/C 2-TIER
                        (Per Person) (Per Person) (Per Person) (Per Person)
Chennai-Banglore(route 1) Rs.145      Rs.260      Rs.635      Rs.865
Chennai-Vizag (route 2)  Rs.245      Rs.410      Rs.1110     Rs.1585
Chennai-Hyderabad(route 3) Rs.245      Rs.415      Rs.1100     Rs.1550
Banglore-Chennai(route 4) Rs.145      Rs.260      Rs.635      Rs.865
Vizag-Chennai (route 5)  Rs.245      Rs.410      Rs.1110     Rs.1585
Hyderabad-Chennai(route 6) Rs.245      Rs.415      Rs.1100     Rs.1550
=====

Select Your Choice
1.Seater
2.Sleeper
3.A/C 3-Tier
4.A/C 2-Tier
your choice :2
Enter Route Number 2

How many seats you want in Sleeper class : 4

Cost for 4 Seats in Sleeper Class =Rs.1640
TOTAL NO. OF TICKETS LEFT=96_

```

### SCREENSHOT-3:

```

C:\Users\revan\Desktop\New folder\revanth kumar reddy\bin\Debug\revanth kumar reddy.exe
=====
WELCOME
TO
Train Ticket
Booking SYSTEM
=====
(NOTE: These rates are approved by IRCTC)

STATION TO STATION          SEATER          (Per Person)          SLEEPER          (Per Person)          A/C 3-TIER          (Per Person)          A/C 2-TIER          (Per Person)
Chennai-Banglore(route 1)   Rs.145          Rs.260
Chennai-Vizag (route 2)    Rs.245          Rs.410
Chennai-Hyderabad(route 3)  Rs.245          Rs.415
Banglore-Chennai(route 4)   Rs.145          Rs.250
Vizag-Chennai (route 5)    Rs.245          Rs.410
Hyderabad-Chennai(route 6)  Rs.245          Rs.415
Rs.635          Rs.865
Rs.1110          Rs.1585
Rs.1100          Rs.1550
Rs.635          Rs.865
Rs.1110          Rs.1585
Rs.1100          Rs.1550
=====

Select Your Choice
1.Seater
2.Sleeper
3.A/C 3-Tier
4.A/C 2-Tier
your choice :3
Enter Route Number 3

How many seats you want in A/C 3-Tier : 3

Cost for 3 Seats in A/C 3-Tier =Rs.3300
TOTAL NO. OF TICKETS LEFT=97

```

SCREENSHOT-4:

```

C:\Users\revan\Desktop\New folder\revanth kumar reddy\bin\Debug\revanth kumar reddy.exe
=====
WELCOME
TO
Train Ticket
Booking SYSTEM
=====
(NOTE: These rates are approved by IRCTC)

STATION TO STATION          SEATER          (Per Person)          SLEEPER          A/C 3-TIER          A/C 2-TIER
                               (Per Person)          (Per Person)          (Per Person)          (Per Person)
Chennai-Banglore(route 1)    Rs.145              Rs.260
Chennai-Vizag (route 2)      Rs.245              Rs.410
Chennai-Hyderabad(route 3)    Rs.245              Rs.415
Banglore-Chennai(route 4)     Rs.145              Rs.260
Vizag-Chennai (route 5)      Rs.245              Rs.410
Hyderabad-Chennai(route 6)    Rs.245              Rs.415
                               Rs.635              Rs.1110              Rs.865              Rs.1585
                               Rs.1100              Rs.1590
                               Rs.635              Rs.865
                               Rs.1110              Rs.1585
                               Rs.1590

=====

Select Your Choice
1.Seater
2.Sleeper
3.A/C 3-Tier
4.A/C 2-Tier
your choice :4
Enter Route Number 4

How many seats you want in A/C 2-Tier : 4

Cost for 4 Seats in A/C 2-Tier =Rs.3460
TOTAL NO. OF TICKETS LEFT=96
  
```