TRAIN RESERVATION SYSTEM

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CSE X2

```
#include #include <conio.h>
#include <math.h>
#include <stdio.h>
 int main()
{
   int ta,tc,choice;
   int r;
   int c,C;
printf("##########################################################################
##############################################\n");
   printf("                    \t\t\t\tWELCOME\n");
   printf("                  \t\t\tTrain Reservation System\n");
   printf("        \t\t\t\t(NOTE: These rates are approved by IRCTC)\n");
   printf("         \t\t\tSTATION TO STATION                CHILDREN              ADULT\n");
   printf("                                  \t\t\t(Per Person)          (Per Person)\n");
   printf("          \t\t\tChennai-Banglore(route 1)          Rs.100              Rs.200\n");
   printf("          \t\t\tChennai-Vizag   (route 2)          Rs.90               Rs.150\n");
   printf("          \t\t\tChennai-Hyderabad(route 3)         Rs.120              Rs.300\n");
   printf("          \t\t\tBanglore-Chennai(route 4)          Rs.100              Rs.200\n");
   printf("          \t\t\tVizag-Chennai    (route 5)         Rs.90               Rs.150\n");
   printf("          \t\t\tHyderabad-Chennai(route 6)         Rs.120              Rs.300\n");

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

   for(int i=1;i<=10;i++)
   {
   printf("\nSelect Your Choice\n");
   printf("1.Adult+Children");
```

```
printf("\n2.Adult");
printf("\nyour choice :");
scanf("%d",&choice);

switch(choice)
{

case 1:
   printf("Enter Route Number ");
   scanf("%d",&r);
printf("\nHow many seats you want for adult : ");
scanf("%d",&ta);
printf("\nHow many seats for children :");
scanf("%d",&tc);
if(r==1)
{
   c=tc*100;
   C=ta*200;
   printf("The Bill To Be paid is");
   printf("\nCost for %d Children=RS.%d",tc,c);
   printf("\nCost for %d Adult   =Rs.%d",ta,C);
   printf("\nTotal Cost          =%d",c+C);
   break;
}
 else if(r==2)
{
   c=tc*90;
   C=ta*150;
   printf("The Bill To Be paid is");
   printf("\nCost for %d Children=RS.%d",tc,c);
   printf("\nCost for %d Adult   =Rs.%d",ta,C);
   printf("\nTotal Cost          =%d",c+C);
   break;
}
```

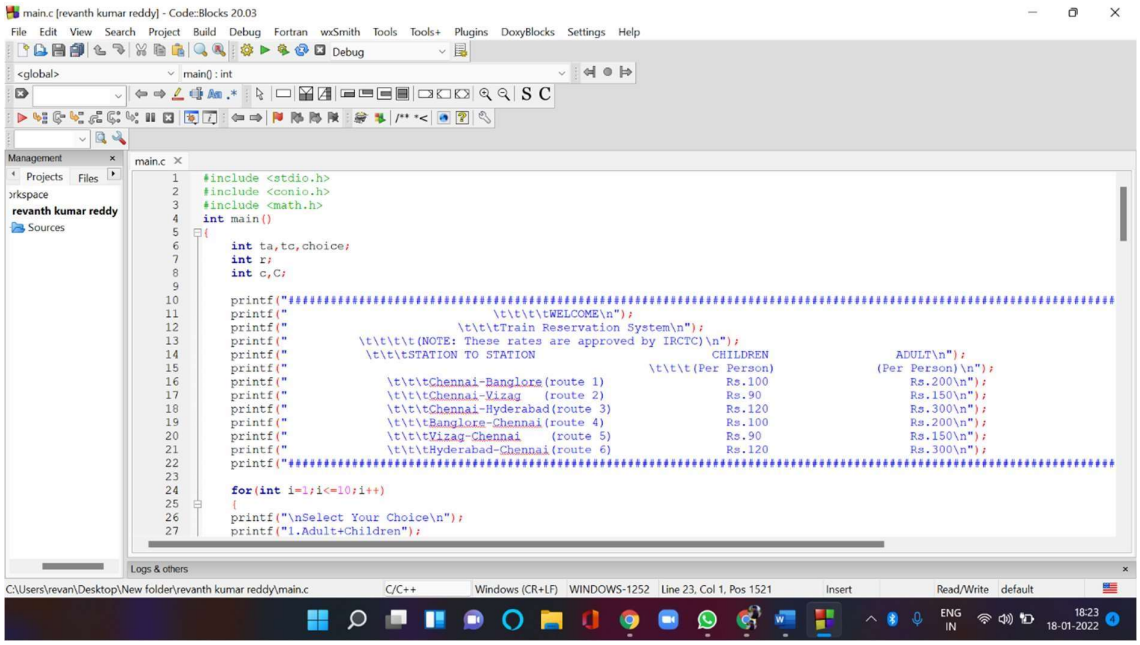
```
else if(r==3)
{
   c=tc*120;
   C=ta*300;
   printf("The Bill To Be paid is");
   printf("\nCost for %d Children=RS.%d",tc,c);
   printf("\nCost for %d Adult   =Rs.%d",ta,C);
   printf("\nTotal Cost          =%d",c+C);
   break;
}
else if(r==4)
{
   c=tc*100;
   C=ta*200;
   printf("The Bill To Be paid is");
   printf("\nCost for %d Children=RS.%d",tc,c);
   printf("\nCost for %d Adult   =Rs.%d",ta,C);
   printf("\nTotal Cost          =%d",c+C);
   break;
}
 else if(r==5)
{
   c=tc*90;
   C=ta*150;
   printf("The Bill To Be paid is");
   printf("\nCost for %d Children=RS.%d",tc,c);
   printf("\nCost for %d Adult   =Rs.%d",ta,C);
   printf("\nTotal Cost          =%d",c+C);
   break;
}
else if(r==6)
{
   c=tc*120;
   C=ta*300;
```

```
    printf("The Bill To Be paid is");
    printf("\nCost for %d Children=RS.%d",tc,c);
    printf("\nCost for %d Adult   =Rs.%d",ta,C);
    printf("\nTotal Cost          =%d",c+C);
    break;
}
case 2:
    printf("Enter Route Number ");
    scanf("%d",&r);
printf("\nHow many seats you want for adult : ");
scanf("%d",&ta);
if(r==1)
{
    C=ta*200;
    printf("The Bill To Be paid is");
    printf("\nCost for %d Adult   =Rs.%d",ta,C);
    printf("\nTotal Cost          =Rs.%d",C);
    break;
}
 else if(r==2)
{
    C=ta*150;
    printf("The Bill To Be paid is");
    printf("\nCost for %d Adult   =Rs.%d",ta,C);
    printf("\nTotal Cost          =%d",C);
    break;
}
else if(r==3)
{
    c=tc*120;
    C=ta*500;
    printf("The Bill To Be paid is");
    printf("\nCost for %d Adult   =Rs.%d",ta,C);
    printf("\nTotal Cost          =%d",C);
```

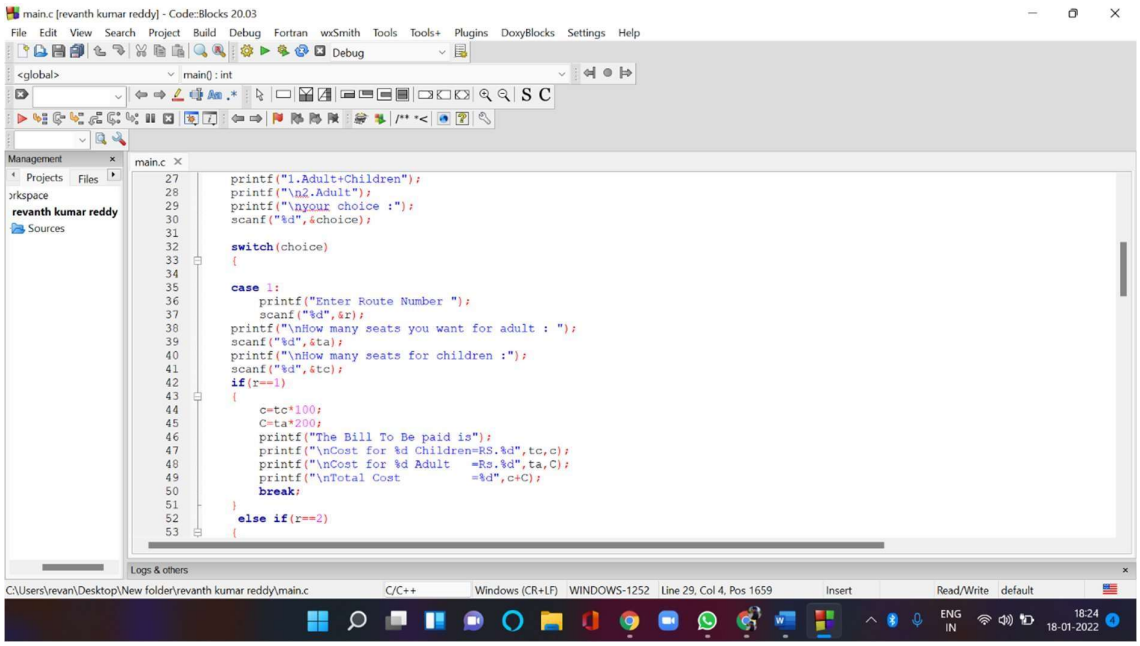
```
    break;
  }
  if(r==4)
  {
    C=ta*200;
    printf("The Bill To Be paid is");
    printf("\nCost for %d Adult   =Rs.%d",ta,C);
    printf("\nTotal Cost          =Rs.%d",C);
    break;
  }
  if(r==5)
  {
    C=ta*150;
    printf("The Bill To Be paid is");
    printf("\nCost for %d Adult   =Rs.%d",ta,C);
    printf("\nTotal Cost          =Rs.%d",C);
    break;
  }
  if(r==6)
  {
    C=ta*300;
    printf("The Bill To Be paid is");
    printf("\nCost for %d Adult   =Rs.%d",ta,C);
    printf("\nTotal Cost          =Rs.%d",C);
    break;
  }
  getch();}
  }

}
```

}Code Screenshots (done in Code-Blocks)

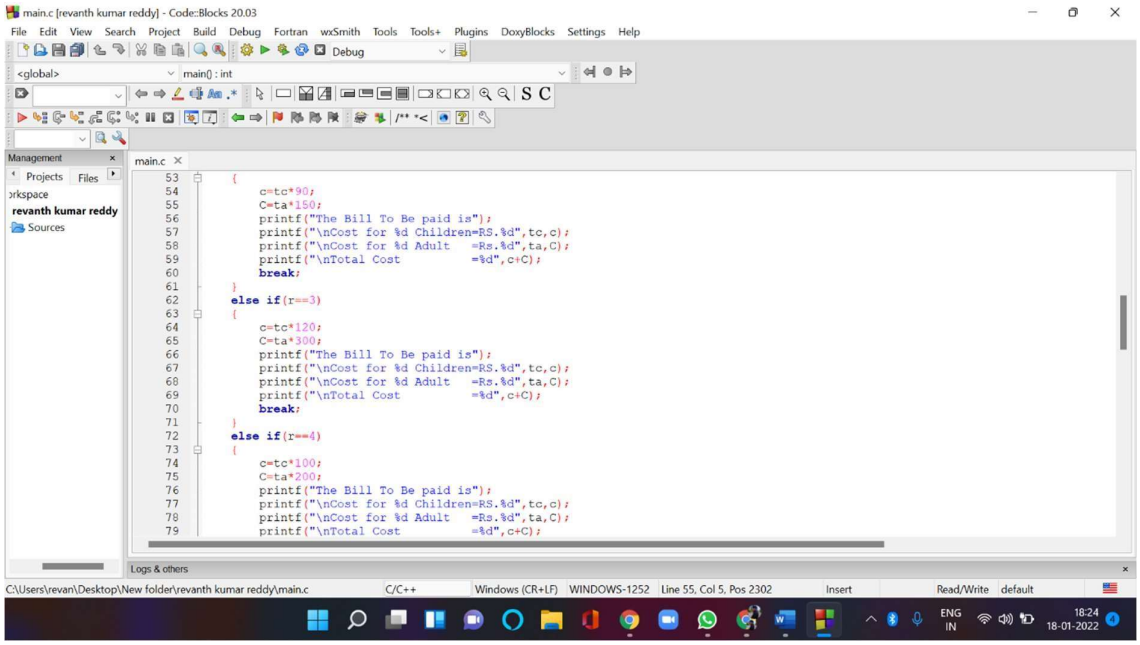
Screenshot 1



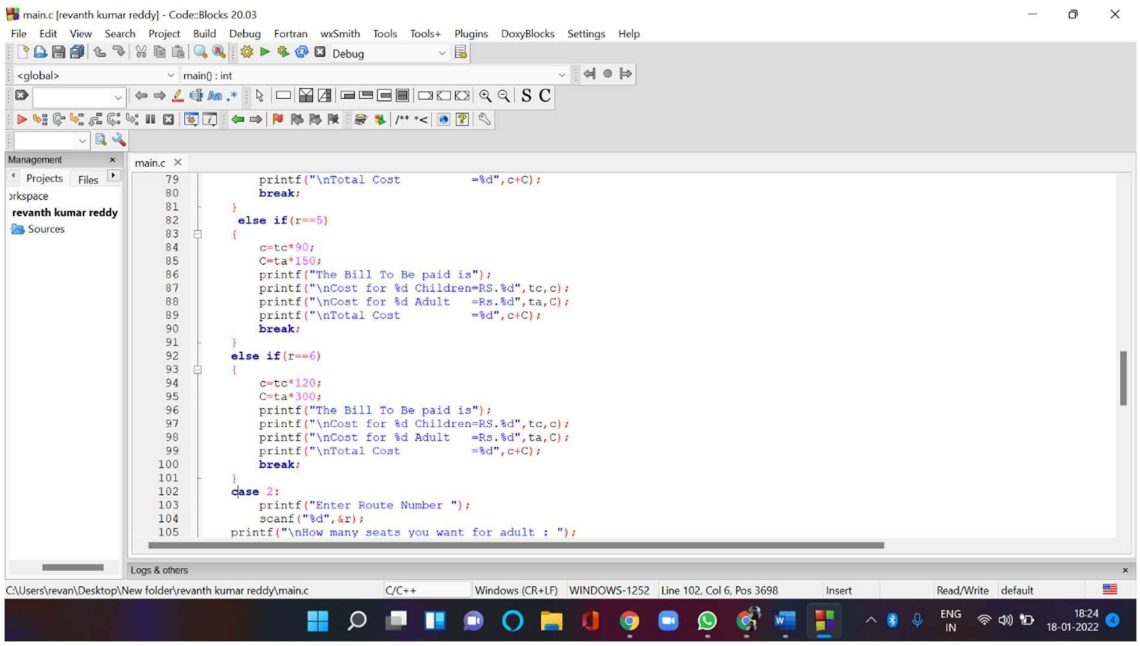
Screenshot-2



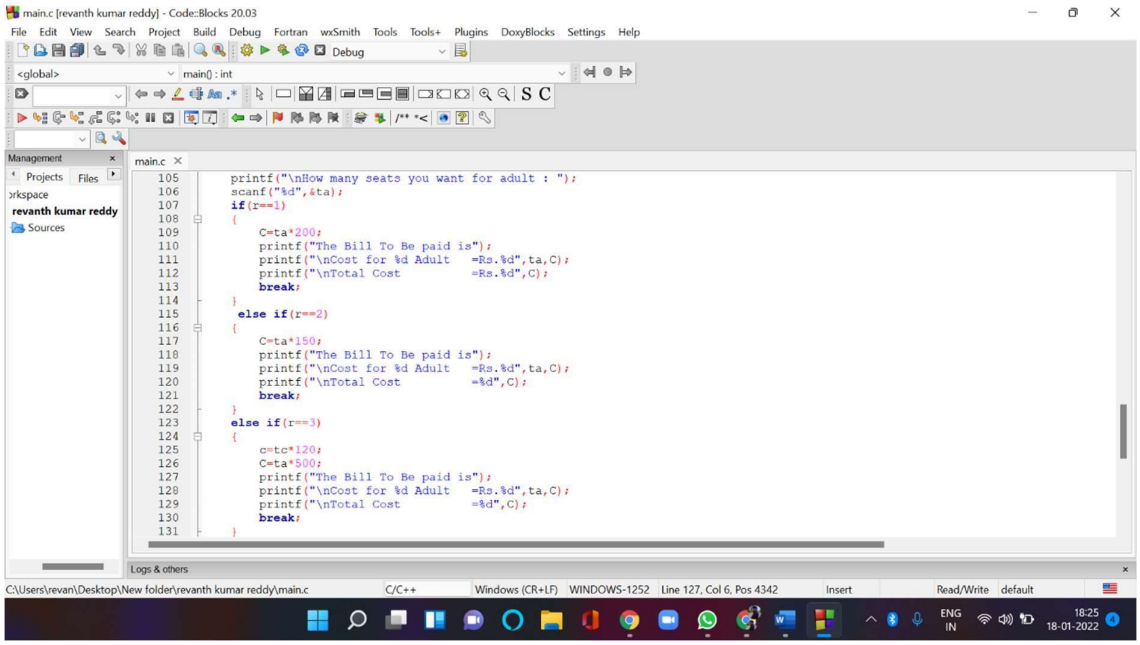
Screenshot-3



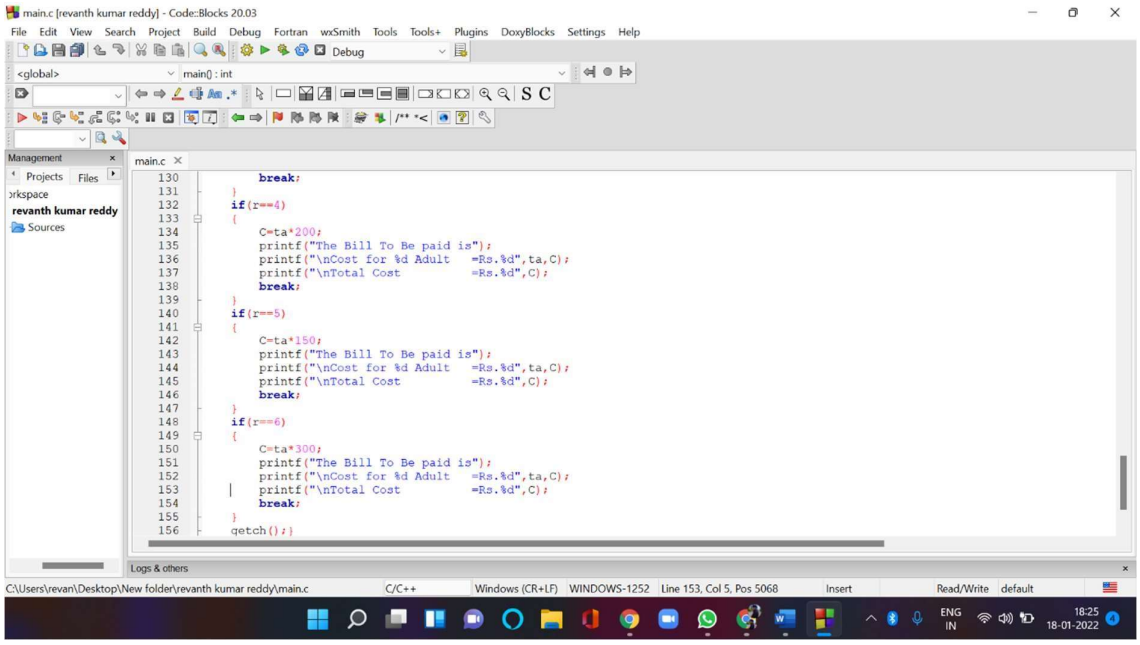
Screenshot-4



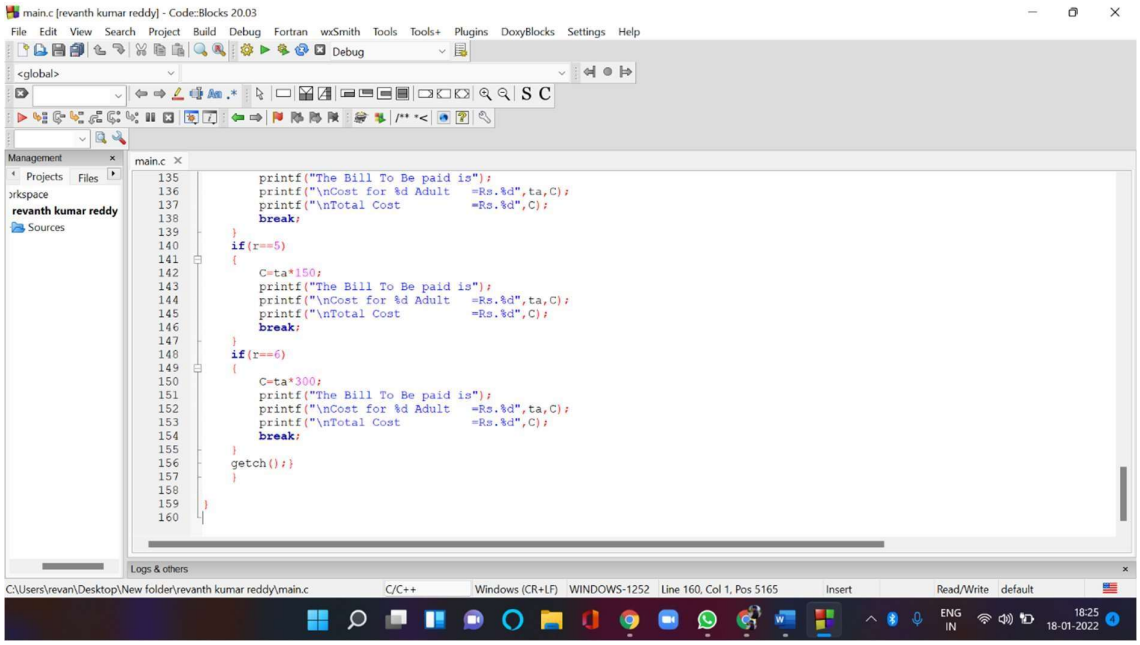
Screenshot-5



Screenshot-6



Screenshot-7



#ALGORITHM FOR MY CODE

Step-1:

Start

Step-2:

Initialize varibles

Step-3:

Take the input from the user and calculate the price according to route Step-4:

Case1:Adult+Children

(if r=1 book tickets for route number 1 or

if r=2 book tickets for route number 2 or

if r=3 book tickets for route number 3 or

if r=4 book tickets for route number 4 or

if r=5 book tickets for route number 5 else go book route number 6)

Case2:Adult

(if r=1 book tickets for route number 1 or

if r=2 book tickets for route number 2 or

if r=3 book tickets for route number 3 or

if r=4 book tickets for route number 4 or

if r=5 book tickets for route number 5 else go book route number 6)

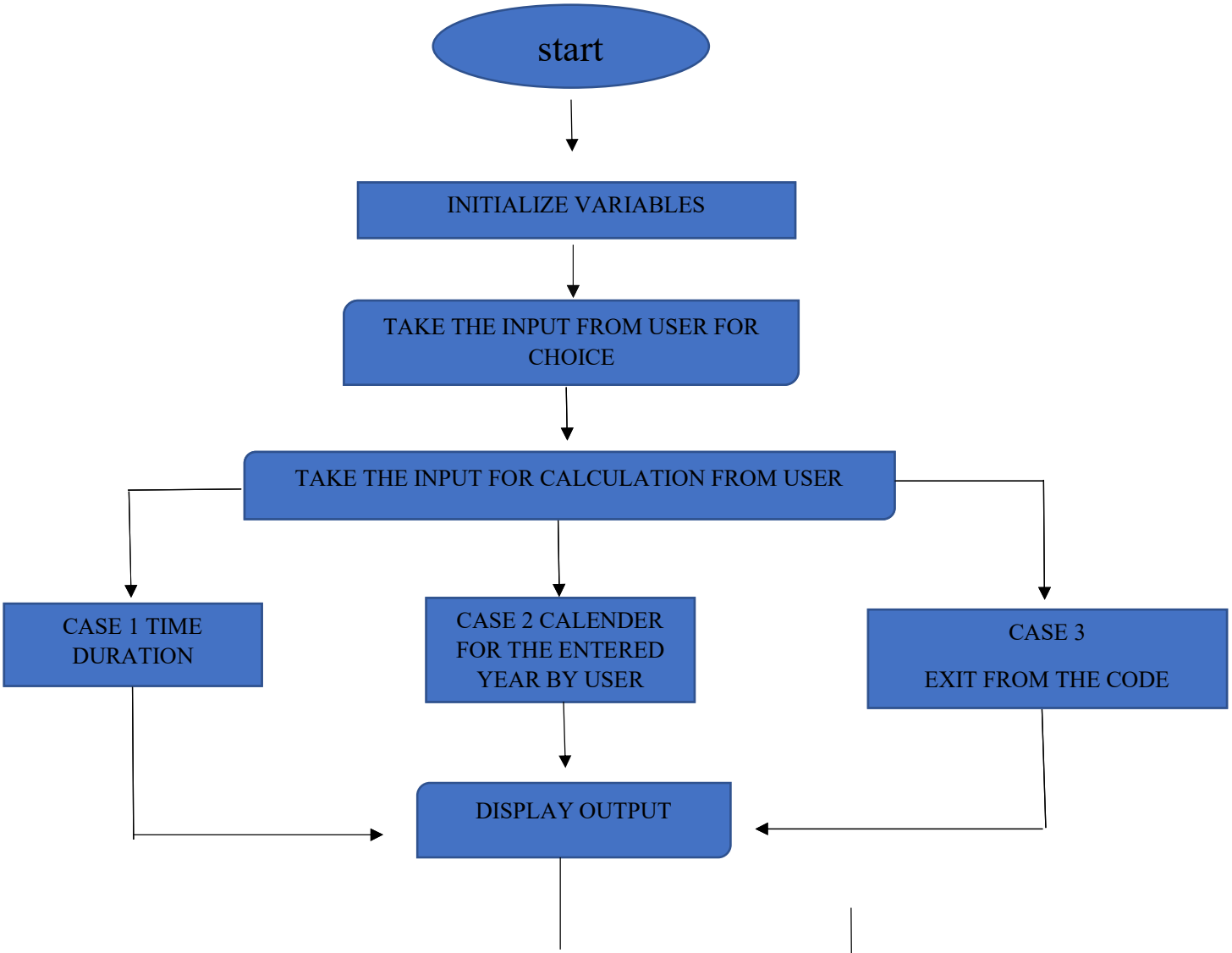
Case3:Exit

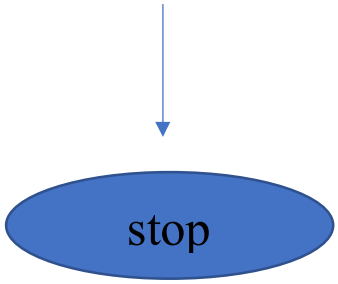
Step-5:

Display the amount according to the route that choosed by the user Step-6:

Stop.

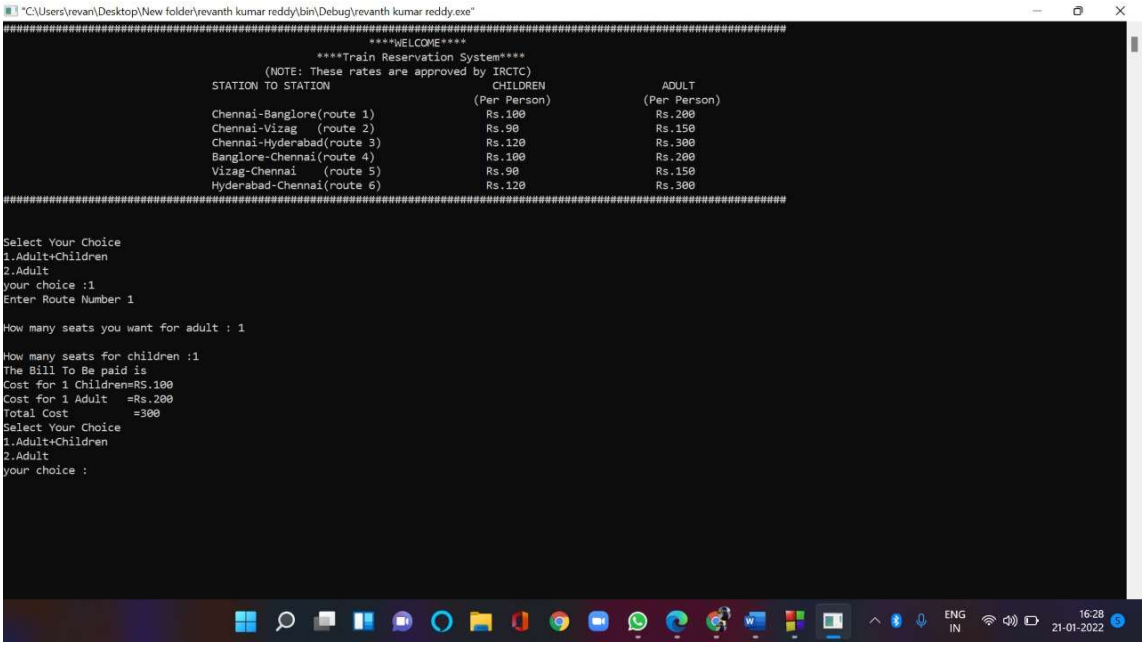
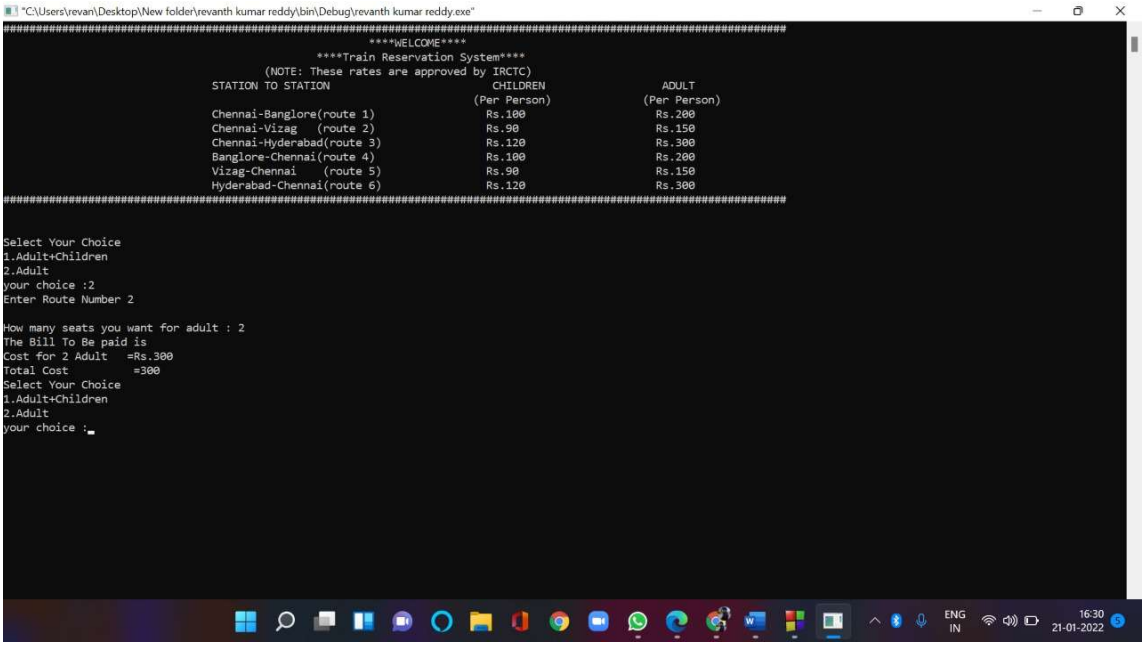
#Flow Chart





Output screen :

Case1:



CASE 2: