# TRAIN RESERVATION SYSTEM

```
POTIPIREDDI LOKESH
     RA2111003011773
     CSE X2
     #include #include <conio.h>
     #include <math.h>
     #include <stdio.h>
     int main()
      int ta,tc,choice;
printf("
                  \t\t\tTrain Reservation System\n");
 printf("
          \t\t\t(NOTE: These rates are approved by IRCTC)\n");
 printf("
 printf("
           \t\t\tSTATION TO STATION
                                          CHILDREN
                                                         ADULT\n");
 printf("
                            \t\t(Per Person)
                                            (Per Person)\n");
 printf("
            \t\tChennai-Banglore(route 1)
                                        Rs.100
                                                     Rs.200\n");
 printf("
            \t\tChennai-Vizag (route 2)
                                       Rs.90
                                                    Rs.150\n");
                                         Rs.120
 printf("
            \t\t\tChennai-Hyderabad(route 3)
                                                      Rs.300\n");
            \t\tBanglore-Chennai(route 4)
                                        Rs.100
                                                     Rs.200\n");
 printf("
 printf("
            \t\tVizag-Chennai (route 5)
                                       Rs.90
                                                    Rs.150\n");
 printf("
            \t\tHyderabad-Chennai(route 6)
                                         Rs.120
                                                      Rs.300\n");
for(int i=1; i <= 10; i++)
 printf("\nSelect Your Choice\n");
 printf("1.Adult+Children");
```

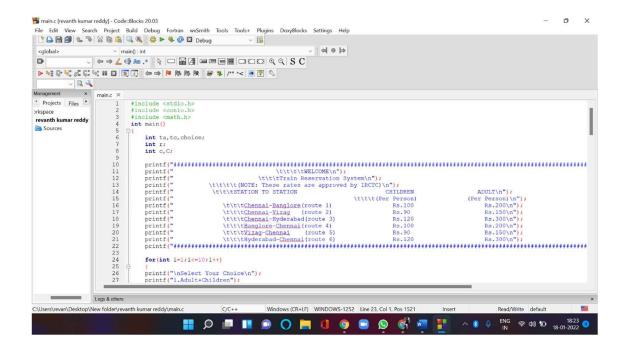
```
printf("\n2.Adult");
printf("\nyour choice :");
scanf("%d",&choice);
switch(choice)
case 1:
  printf("Enter Route Number ");
  scanf("%d",&r);
printf("\nHow many seats you want for adult : ");
scanf("%d",&ta);
printf("\nHow many seats for children:");
scanf("%d",&tc);
if(r==1)
  c=tc*100;
  C=ta*200;
  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);
                           =\%d'',c+C);
  printf("\nTotal Cost
  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)



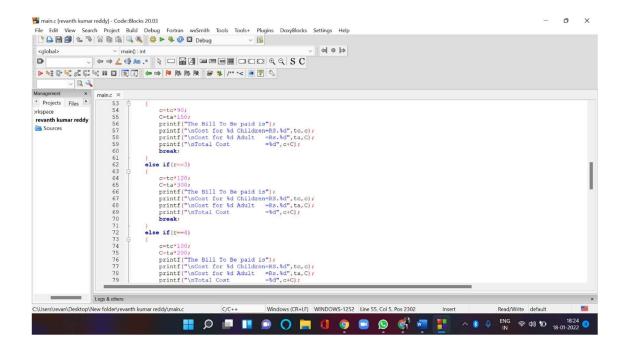
#### Screenshot-2

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main.c [revanth kumar reddy] - Code::Blocks 20.03
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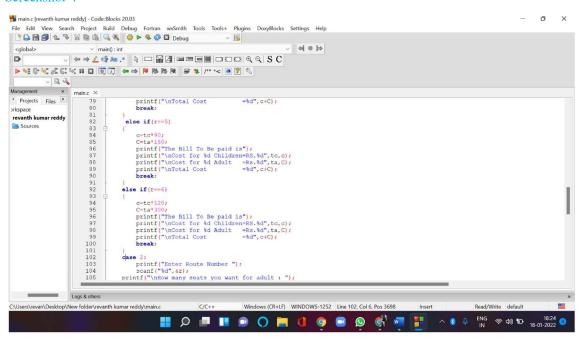
Debug

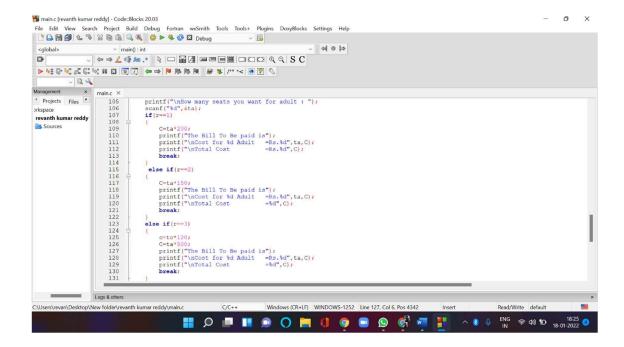
Debug
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                                printf("1.Adult+Children");
printf("\n2.Adult");
printf("\nyour choice :");
scanf("%d", &choice);
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revanth kumar reddy
Sources
                                switch (choice)
                                c=tc*100;
C=ta*200;
printf("The Bill To Be paid is");
printf("\aCost for %d Adult = Rs.%d",tc,c);
printf(\aCost for %d Adult = Rs.%d",ta,C);
printf("\aTotal Cost = %d",c+C);
                                    break;
                                  else if(r==2)
            Logs & others
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#### Screenshot-3



#### Screenshot-4





#### Screenshot-6

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main.c [revanth kumar reddy] - Code::Blocks 20.03
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                                                                      if(r==4)
 revanth kumar reddy
Sources
                                                                   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);
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                                                                     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;
                                                                            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;
                                               153
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156
                            Logs & others
                                                                                                                  C/C++ Windows (CR+LF) WINDOWS-1252 Line 153, Col 5, Pos 5068 Insert
C:\Users\revan\Desktop\New folder\revanth kumar reddy\main.c
```

Screenshot-7

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```

# **#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

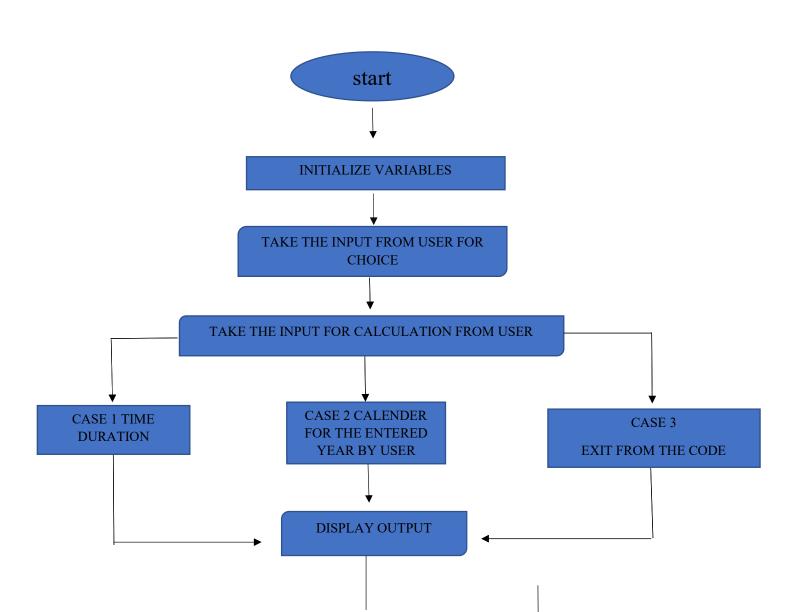
if r=5 book tickets for route number 5 else go book route number 6)

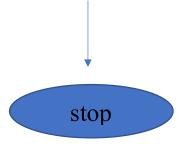
### Case3:Exit

## Step-5:

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

## #Flow Chart





# Output screen:

## Case1:

### CASE 2:

```
### CAUsers | wear | Decktop|New folder | wear | how | was |
```