

PPS MINI PROJECT

SEMISTER: 2 (21-22)

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Project name: Train reservation system in c.

Section: H2 (CORE)

Problem Statement: To book a railway ticket online

Code:

```
#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\t\tTrain Reservation System\n");
    printf(" \t\t\t\t(NOTE: These rates are approved by IRCTC)\n");
    printf(" \t\t\t\tSTATION TO STATION CHILDREN ADULT\n");
    printf(" \t\t\t\t(Per Person) (Per Person)\n");
    printf(" \t\t\t\tChennai-Banglore(route 1) Rs.100 Rs.200\n");
    printf(" \t\t\t\tChennai-Vizag (route 2) Rs.90 Rs.150\n");
    printf(" \t\t\t\tChennai-Hyderabad(route 3) Rs.120 Rs.300\n");
    printf(" \t\t\t\tBanglore-Chennai(route 4) Rs.100 Rs.200\n");
    printf(" \t\t\t\tVizag-Chennai (route 5) Rs.90 Rs.150\n");
    printf(" \t\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("\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;
}
return 0;}
}
}

```

OutPut:

```

#####
#####
                                WELCOME
                                Train reservation System
                                (NOTE: These rates are approved by IRCTC)
                                STATION TO STATION CHILDREN ADULT
                                (Per Person) (Per Person)
                                Chennai-Bangalore(route 1) Rs.100 Rs.200
                                Chennai-Vizag (route 2) Rs.90 Rs.150
                                Chennai-Hydrabad(route 3) Rs.120 Rs.300
                                Bangalore-Chennai(route 4) Rs.100 Rs.200
                                Vizag-Chennai(route 5) Rs.90 Rs 150
                                Hyderabad-Chennai(route 6) Rs.120 Rs.300
#####
#####

```

Select Your Choice

1.Adult+Children

2.Adult

Your Choice :

2

Enter Route Number

4

How many seats you want for adult :

4

The Bill To Be paid

Cost for 4 Adult =Rs.800

Total Cost =Rs.800

Conclusion:

Railway ticket booking system is implemented by C programming. It is as same as one can see while we are going for online ticket booking