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#include<iostream>

using namespace std;

class car
{
    public:

    int type,cf,i=1;

    void choose()
    {
        while(i)
        {
            cout<<"*****WELCOME IN SHESH CAB
BOOKING*****";cout<<endl<<endl;

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            cout<<"Avalible Cars:"<<endl;
            cout<<"\n    1.MICRO\n    2.MINI\n    3.SEDAN\n    4.LUXURY"<<endl<<endl;
            cout<<"Enter the choice in numbers : ";
            cin>>type;

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            switch(type)
            {
                case 1: cf=50;
                        break;
                case 2: cf=80;i=0;break;
                case 3: cf=150;i=0;break;
                case 4: cf=250;i=0;break;
                default: {cout<<"Invalid Selection"<<endl;
                        i=1;}
            }

```

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    }
    }

}

};

class book:public car
{
    public : int pp,dp,f=0,j=1;

    void showi()
    { while(j)
        {

            //cout<<"welcome to Shesh cab booking service:";

            cout<<"The Available   Routs are as follow:"<<endl;

            cout<<"\n  1.CHANDIGARH\n  2.MOHALI\n  3.KANYAKUMARI\n  4.MOSCOW\n";

            cout<<endl<<endl<<"Enter Pick up Point : ";

            cin>>pp;

            cout<<"Enter destination point : ";

            cin>>dp;

            if(pp>4 | dp>4)
            {

                cout<<endl<<"Invalid Input!!, Enter again"<<endl; j=1;}

            else

                j=0;}

        }

    void fare()
    {

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switch(pp)
{
    case 1:
        if(dp==2)
        {cout<<"The journey is of 35 Kms:";
        f=500+cf;
        cout<<"The fare of the journey is : "<<f;}
        else if(dp==3)
        { cout<<"The journey is of 675 kms:";
        f=7654+cf;
        cout<<"The fare of the journey is:"<<f;
        }
        else if(dp=4)
        {
            cout<<"The journey is of 5438 kms:";
            f=765445+cf;
            cout<<"The fare of the journey is:"<<f;
            }
        else
            cout<<"Invalid Destination Point";
        break;

    case 2:
        if(dp==1)
        {cout<<"The journey is of 35 Kms:";
        f=500+cf;
        cout<<"The fare of the journey is : "<<f;}

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else if(dp==3)
{ cout<<"The journey is of 675 Kms:";
f=7654+cf;
cout<<"the fare of the journey is:"<<f;
}
else if(dp=4)
{
    cout<<"The journey is of 5438 Kms:";
f=765445+cf;
cout<<"The fare of the journey is:"<<f;
}
else
    cout<<"Invalid Destination Point";
break;

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case 3:

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if(dp==1)
{cout<<"The journey is of 35 Kms:";
f=500+cf;
cout<<"The fare of the journey is :"<<f;}
else if(dp==2)
{ cout<<"The journey is of 675 Kms:";
f=7654+cf;
cout<<"The fare of the journey is:"<<f;
}
else if(dp=4)
{
    cout<<"The journey is of 5438 Kms:";
f=765445+cf;

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        cout<<"The fare of the journey is:"<<f;
    }
    else
        cout<<"Invalid Destination Point";
    break;

case 4:
    if(dp==1)
    {cout<<"The journey is of 35 Kms:";
    f=500+cf;
    cout<<"The fare of the journey is :"<<f;}
    else if(dp==3)
    { cout<<"The journey is of 675 Kms:";
    f=7654+cf;
    cout<<"The fare of the journey is:"<<f;
    }
    else if(dp=2)
    {
        cout<<"The journey is of 5438 Kms:";
        f=765445+cf;
        cout<<"The fare of the journey is:"<<f;
    }
    else
        cout<<"Invalid Destination point";
    break;
default:{ cout<<"Invalid Selection";

        }

```

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        }  
    }  
  
};  
  
int main()  
{  
    book x;  
  
    x.choose();  
    x.showi();  
    x.fare();  
    cout<<endl<<endl<<endl<<endl<<"Happy Journey"<<endl<<endl<<endl<<endl;  
    return 0;  
}
```