BookAMovieTicket

```java
public class BookAMovieTicket {
  protected String ticketId;
  protected String customerName;
  protected long mobileNumber;
  protected String emailId;
  protected String movieName;
   public void setticketId( String ticketId){
         this.ticketId=ticketId;
   }
   public void setcustomerName( String customerName){
         this.customerName=customerName;
   }
   public void setmobileNumber( long mobileNumber){
         this.mobileNumber=mobileNumber;
   }
   public void setemailId( String emailId){
         this.emailId=emailId;
   }
   public void setmovieName( String movieName){
         this.movieName=movieName;
   }
   public String getticketId(){
         return ticketId;
   }
   public String getcustomerName(){
         return customerName;
   }
   public String getemailId(){
         return emailId;
   }
   public String getmovieName(){
         return movieName;
   }
   public long getmobileNumber(){
         return mobileNumber;
   }
   public BookAMovieTicket(String ticketId,String customerName,long
mobileNumber,String emailId,String movieName){
            this.ticketId=ticketId;
            this.customerName=customerName;
            this.mobileNumber=mobileNumber;
            this.emailId=emailId;
            this.movieName=movieName;
      }

}
```

PlatinumTicket

```java
public class PlatinumTicket extends BookAMovieTicket {

    public PlatinumTicket(String ticketId, String customerName, long mobileNumber,
    String emailId, String movieName) {
            super(ticketId, customerName, mobileNumber, emailId, movieName);
    }
    public boolean validateTicketId(){
            int count=0;
            if(ticketId.contains("PLATINUM"));
            count++;
            char[] cha=ticketId.toCharArray();
            for(int i=8;i<11;i++){
                    if(cha[i]>='1'&& cha[i]<='9')
                            count++;
            }
            if(count==4)
                    return true;
            else
                    return false;

    }
    public double caculateTicketCost(int numberOfTickets,String ACFacility){
             double amount;
             if(ACFacility.equals("yes")){
                    amount=750*numberOfTickets;
             }
             else{
                    amount=600*numberOfTickets;
             }
             return amount;
    }

}
```
GoldTicket

```java
public class GoldTicket extends BookAMovieTicket {
    public GoldTicket(String ticketId, String customerName, long mobileNumber,
    String emailId, String movieName) {
            super(ticketId, customerName, mobileNumber, emailId, movieName);
    }
    public boolean validateTicketId(){
            int count=0;
            if(ticketId.contains("GOLD"));
            count++;
            char[] cha=ticketId.toCharArray();
            for(int i=4;i<7;i++){
                    if(cha[i]>='1'&& cha[i]<='9')
                            count++;
            }
            if(count==4)
                    return true;
            else
                    return false;
```

```java
        }
        public double caculateTicketCost(int numberOfTickets,String ACFacility){
                double amount;
                if(ACFacility.equals("yes")){
                        amount=500*numberOfTickets;
                }
                else{
                        amount=350*numberOfTickets;
                }
                return amount;
        }

}
```

SilverTicket

```java
public class SilverTicket extends BookAMovieTicket{
        public SilverTicket(String ticketId, String customerName, long mobileNumber,
String emailId, String movieName) {
                super(ticketId, customerName, mobileNumber, emailId, movieName);
        }
        public boolean validateTicketId(){
                int count=0;
                if(ticketId.contains("SILVER"));
                count++;
                char[] cha=ticketId.toCharArray();
                for(int i=6;i<9;i++){
                        if(cha[i]>='1'&& cha[i]<='9')
                                count++;
                }
                if(count==4)
                        return true;
                else
                        return false;

        }
        public double caculateTicketCost(int numberOfTickets,String ACFacility){
                double amount;
                if(ACFacility.equals("yes")){
                        amount=250*numberOfTickets;
                }
                else{
                        amount=100*numberOfTickets;
                }
                return amount;
        }

}
```

UserInterface

```java
import java.util.*;
public class UserInterface {
```

```java
public static void main(String[] args) {
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter Ticket Id");
    String tid=sc.next();
    System.out.println("Enter Customer Name");
    String cnm=sc.next();
    System.out.println("Enter Mobile Number");
    long mno=sc.nextLong();
    System.out.println("Enter Email id");
    String email=sc.next();
    System.out.println("Enter Movie Name");
    String mnm=sc.next();
    System.out.println("Enter number of tickets");
    int tno=sc.nextInt();
    System.out.println("Do you want AC or not");
    String choice =sc.next();
    if(tid.contains("PLATINUM")){
        PlatinumTicket PT=new PlatinumTicket(tid,cnm,mno,email,mnm);
        boolean b1=PT.validateTicketId();
    if(b1==true){
        double cost  =PT.caculateTicketCost(tno, choice);
        System.out.println("Ticket cost is "+ cost);
    }
    else if(b1==false){
        System.out.println("Provide valid Ticket Id");
        System.exit(0);
    }
    }
    else if(tid.contains("GOLD")){
        GoldTicket GT=new GoldTicket(tid,cnm,mno,email,mnm);
        boolean b2=GT.validateTicketId();
        if(b2==true){
            double cost=GT.caculateTicketCost(tno, choice);
            System.out.println("Ticket cost is "+cost);
        }
        else if (b2==false){
            System.out.println("Provide valid Ticket Id");
            System.exit(0);
        }

    }
    else if(tid.contains("SILVER")){
        SilverTicket ST=new SilverTicket(tid,cnm,mno,email,mnm);
        boolean b3=ST.validateTicketId();
        if(b3==true){
            double cost=ST.caculateTicketCost(tno, choice);
            System.out.println("Ticket cost is "+cost);
        }
        else if(b3==false){
            System.out.println("Provide valid Ticket Id");
            System.exit(0);
        }
    }

}
```

}