**COMPUTER APPLICATIONS:**

***SCHOOL- WISDOM HIGH INTERNATIONAL***

***PROJECT- APPLICATION SOFTWARE OF HOTEL MANAGEMENT***

***ACADEMIC YEAR- 2016-17***

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***CLASS- 10***

***DIVISION- A***

***ROLL NO- 14***

**INTRODUCTION:**

THIS IS A PROJECT BASED ON THE TOPIC ‘HOTEL MANGEMENT’.

THE PROJECT CONSISTS OF FOUR CLASSES:

1. CHECKIN-

IN THIS CLASS,CODING IS DONE IN SUCH A WAY THAT THE USER CAN ACT ACCORDING TO IT’S OWN FREE WILL. THE SOURCE CODE OF THIS CLASS IS WRITTEN ACCORDING TO THE MEASURES ADOPTED IN BOOKING A ROOM AT A HOTEL . APPROPRIATE MESSAGE IS DISPLAYED IF THE USER ENTERS A WRONG CHOICE .

1. RESTAURANT-

IN THIS CLASS,CODING IS DONE IN SUCH A WAY THAT THE USER CAN ACT ACCORDING TO IT’S OWN FREE WILL . . THE SOURCE CODE OF THIS CLASS IS WRITTEN ACCORDING TO THE MEASURES ADOPTED IN ORDERING FOOD AT A RESTAURANT . APPROPRIATE MESSAGE IS DISPLAYED IF THE USER ENTERS A WRONG CHOICE .

1. LOADING-

THIS CLASS IS CODED ACCORDING TO THE CONCEPT OF LOADING .

1. HQ-

THIS IS THE HEADQUARTERS WHERE ALL THE CLASSES ARE COMBINED .THIS CLASS NEEDS TO BE EXECUTED TO OPERATE THE APPLICATION SOFTWARE. APPROPRIATE MESSAGE IS DISPLAYED IF THE USER ENTERS A WRONG CHOICE .

ALSO ,PROPER INFORMATION ABOUT THE PROJECT IS GIVEN IN THE **README** FILE.

**UNIQUENESS:**

THE UNIQUENESS OF THE PROJECT IS THAT WHENEVER THE USER ENTER A WRONG CHOICE ,AN APPROPRIATE MESSAGE IS DIPLAYED ON THE SCREEN.

IT IS A USER-FRIENDLY PROGRAM.USER RECIEVES APPROPRIATE GREETINGS .

**LIMITATION:**

THE LIMITATION OF THE PROJECT IS THAT THE COMPILER SHOWS A RUNTIME ERROR WHEN A STRING IS ENTERED AS AN INPUT AT A POINT WHERE THE INPUT GIVEN IS STORD IN A INTEGER OR DOUBLE DATA TYPE .

ANOTHER LIMITATION IS THAT ONLY COST OF THE FOOD BILL IS PRINTED WHEREAS THE LIST OF GIVEN ORDERS IS NOT PRINTED .

**INDEX:**

1. SOURCE CODE
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**CLASS CHECKIN:**

import java.util.Scanner;//A PROGRAM OF HOTEL ROOM BOOKING

public class checkin

{

static int days;int rno;

public static void checkin()

{

Scanner in=new Scanner(System.in);

checkin ob=new checkin();

loading on=new loading();

System.out.println("Enter Customer's name");

String name=in.nextLine();

System.out.println("What kind of room would you like to book?");

System.out.println("Press 1 to get a non-ac room ");

System.out.println("Press 2 to get a ac room ");

System.out.println("Press 3 to get a delux room ");

System.out.println("Press 4 to get a super delux room ");

int room=in.nextInt();

System.out.print("\f");

on.loading();

if(room<=4&&room>0)

{

ob.days();

if(days>=5)

{

System.out.println("Sorry!");

System.out.println("We dont give rooms on rent for these many days");

System.out.println("If you want to book a room for 4 or less days");

System.out.println("Press 'Y' ");

String d=in.next();

if(d.equalsIgnoreCase("Y"))

ob.checkin();

else

room=0;

}

if(room==1)

ob.nonac();

if(room==2)

ob.ac();

if(room==3)

ob.delux();

if(room==4)

ob.sdelux();

if(room==0)

System.out.println("\f");

}

else

{

System.out.println("Please enter the correct choice");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

ob.checkin();

}

}

public void days()

{

Scanner in=new Scanner(System.in);

checkin ob=new checkin();

System.out.println("For how many days would you like to book a room for?");

days=in.nextInt();

}

public void nonac()

{

Scanner in=new Scanner(System.in);

checkin ob=new checkin();

loading on=new loading();

int rno0=(int)((Math.random()\*2)+101);

int rno1=(int)((Math.random()\*5)+103);

int rno2=(int)((Math.random()\*5)+114);

int rno3=(int)((Math.random()\*5)+130);

int rno4=(int)((Math.random()\*5)+160);

System.out.println("These are the available non-ac rooms in our hotel");

System.out.println(rno0+"\n"+rno1+"\n"+rno2+"\n"+rno3+"\n"+rno4);

System.out.println("The price charged on each of these rooms is Rupees 3000");

int ramt1=3000\*days;

System.out.println("If you wish to pay Rupees "+ramt1+" and book a room "+ "\n"+"Press Y"+"\n"+"else N");

String ch1=in.next();

if(ch1.equalsIgnoreCase("Y"))

{

System.out.println("Enter the room number you want to book from the above available rooms");

rno=in.nextInt();

if(rno==rno0||rno==rno1||rno==rno2||rno==rno3||rno==rno4)

{

System.out.print("\f");

System.out.println("Your room is booked ");

System.out.println("You can go and rest for a while in your room");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

}

else

{

System.out.println("Please select a room only from the above mentioned rooms");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

ob.nonac();

}

}

else

{

System.out.println("Its okay All Right");

System.out.println("Thank you for coming");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

}

}

public void ac()

{

Scanner in=new Scanner(System.in);

checkin ob=new checkin();

loading on=new loading();

int rn0=(int)((Math.random()\*2)+201);

int rn1=(int)((Math.random()\*5)+203);

int rn2=(int)((Math.random()\*5)+214);

int rn3=(int)((Math.random()\*5)+230);

int rn4=(int)((Math.random()\*5)+260);

System.out.println("These are the available ac rooms in our hotel");

System.out.println(rn0+"\n"+rn1+"\n"+rn2+"\n"+rn3+"\n"+rn4);

System.out.println("The price charged on each of these rooms is Rupees 4000");

int ramt2=4000\*days;

System.out.println("If you wish to pay Rupees "+ramt2+" and book a room "+ "\n"+"Press Y"+"\n"+"else N");

String ch2=in.next();

if(ch2.equalsIgnoreCase("Y"))

{

System.out.println("Enter the room number you want to book from the above available rooms");

rno=in.nextInt();

if(rno==rn0||rno==rn1||rno==rn2||rno==rn3||rno==rn4)

{

System.out.print("\f");

System.out.println("Your room is booked ");

System.out.println("You can go and rest for a while in your room");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

}

else

{

System.out.println("Please select a room only from the above mentioned rooms");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

ob.ac();

}

}

else

{

System.out.println("Its okay "+"All Right");

System.out.println("Thank you for coming");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

}

}

public void delux()

{

Scanner in=new Scanner(System.in);

checkin ob=new checkin();

loading on=new loading();

int rnd0=(int)((Math.random()\*2)+301);

int rnd1=(int)((Math.random()\*5)+303);

int rnd2=(int)((Math.random()\*5)+314);

int rnd3=(int)((Math.random()\*5)+330);

int rnd4=(int)((Math.random()\*5)+360);

System.out.println("These are the available delux rooms in our hotel");

System.out.println(rnd0+"\n"+rnd1+"\n"+rnd2+"\n"+rnd3+"\n"+rnd4);

System.out.println("The price charged on each of these rooms is Rupees 5000");

int ramt3=5000\*days;

System.out.println("If you wish to pay Rupees "+ramt3+" and book a room "+ "\n"+"Press Y"+"\n"+"else N");

String ch3=in.next();

if(ch3.equalsIgnoreCase("Y"))

{

System.out.println("Enter the room number you want to book from the above available rooms");

rno=in.nextInt();

if(rno==rnd0||rno==rnd1||rno==rnd2||rno==rnd3||rno==rnd4)

{

System.out.print("\f");

System.out.println("Your room is booked ");

System.out.println("You can go and rest for a while in your room");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

}

else

{

System.out.println("Please select a room only from the above mentioned rooms");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

ob.delux();

}

}

else

{

System.out.println("Its okay "+"All Right");

System.out.println("Thank you for coming");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

}

}

public void sdelux()

{

Scanner in=new Scanner(System.in);

checkin ob=new checkin();

loading on=new loading();

int rnsd0=(int)((Math.random()\*2)+301);

int rnsd1=(int)((Math.random()\*5)+303);

int rnsd2=(int)((Math.random()\*5)+314);

int rnsd3=(int)((Math.random()\*5)+330);

int rnsd4=(int)((Math.random()\*5)+360);

System.out.println("These are the available super delux rooms in our hotel");

System.out.println(rnsd0+"\n"+rnsd1+"\n"+rnsd2+"\n"+rnsd3+"\n"+rnsd4);

System.out.println("The price charged on each of these rooms is Rupees 7000");

int ramt4=7000\*days;

System.out.println("If you wish to pay Rupees "+ramt4+" and book a room "+ "\n"+"Press Y"+"\n"+"else N");

String ch4=in.next();

if(ch4.equalsIgnoreCase("Y"))

{

System.out.println("Enter the room number you want to book from the above available rooms");

rno=in.nextInt();

if(rno==rnsd0||rno==rnsd1||rno==rnsd2||rno==rnsd3||rno==rnsd4)

{

System.out.print("\f");

System.out.println("Your room is booked ");

System.out.println("You can go and rest for a while in your room");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

}

else

{

System.out.println("Please select a room only from the above mentioned rooms");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

ob.sdelux();

}

}

else

{

System.out.println("Its okay "+" All Right");

System.out.println("Thank you for coming");

for(int i=0;i<=888888888;i++)

{

if(i==888888888)

System.out.print("\f");

}

}

}

}

**CLASS RESTAURANT:**

import java.util.Scanner;//A PROGRAM OF RESTAURANT MANAGEMENT

public class restaurant

{

static double bill;static double tax;static double totalbill;

public static void restaurant()

{

Scanner in=new Scanner(System.in);

restaurant o=new restaurant();

loading on=new loading();

int ans;

String mord="";

System.out.println("What would you like to order?");

System.out.println("Press 1 for Starters ");

System.out.println("Press 2 for Main Course ");

System.out.println("Press 3 for Deserts ");

System.out.println();

System.out.println("Enter your choice");

ans=in.nextInt();

System.out.print("\f");

if(ans==1)

{

o.starters();

System.out.print("\f");

System.out.println("Do you want to place more order?");

System.out.println("Press 'Y' is yes");

System.out.println("Else Press 'N'");

mord=in.next();

if(mord.equalsIgnoreCase("y"))

o.restaurant();

else

o.billtot();

}

if(ans==2)

{

o.maincourse();

System.out.print("\f");

System.out.println("Do you want to place more order?");

System.out.println("Press 'Y' is yes");

System.out.println("Else Press 'N'");

mord=in.next();

if(mord.equalsIgnoreCase("y"))

o.restaurant();

else

o.billtot();

}

if(ans==3)

{

o.deserts();

System.out.print("\f");

System.out.println("Do you want to place more order?");

System.out.println("Press 'Y' is yes");

System.out.println("Else Press 'N'");

mord=in.next();

if(mord.equalsIgnoreCase("y"))

o.restaurant();

else

o.billtot();

}

if(ans!=1&&ans!=2&&ans!=3)

{

System.out.println("Please choose one of the correct choices");

o.restaurant();

}

}

public void starters()

{

Scanner in=new Scanner(System.in);

restaurant o=new restaurant();

String ch="";int vs,nvs;

int tvs=0,tnvs=0;int vsamt=0;int nvsamt=0;

int tvsamt=0;int tnvsamt=0;

System.out.println("Welcome to the Starter Menu!!!");

System.out.println("Enter 'veg' for veg starters and 'nonveg' for non-veg starters");

ch=in.next();

if(ch.equalsIgnoreCase("veg")||ch.equalsIgnoreCase("nonveg"))

{

if(ch.equalsIgnoreCase("veg"))

{

System.out.println("Starters\t\t\tPrice in Rs."+"\n");

System.out.println("1-Paneer Tikka\t\t\t\t120");

System.out.println("2-Veg Seekh Kebab\t\t\t120");

System.out.println("3-Hara Bhara Kebab\t\t\t120");

System.out.println("4-Paneer Chilly\t\t\t\t150");

System.out.println("5-Soyabean Chilly\t\t\t150");

System.out.println("6-Spring Roll\t\t\t\t150");

System.out.println("7-Veg Crispy\t\t\t\t160");

System.out.println("8-Veg Manchurian\t\t\t160");

System.out.println("9-Crispy Mushroom\t\t\t160");

System.out.println("10-Mix Veg Kebab\t\t\t180");

System.out.println();

System.out.println("Select a Starter from the given list by entering the correct number");

vs=in.nextInt();

if(vs<=10&&vs>0)

{

System.out.println("Enter the total number of plates you want to order");

tvs=in.nextInt();

if(vs>=1&&vs<=3)

vsamt=tvs\*120;

if(vs>=4&&vs<=6)

vsamt=tvs\*150;

if(vs>=7&&vs<=9)

vsamt=tvs\*160;

if(vs==10)

vsamt=tvs\*180;

tvsamt=tvsamt+vsamt;

}

else

System.out.println("Please enter number of one of the above mentioned options ");

}

if(ch.equalsIgnoreCase("nonveg"))

{

System.out.println("Non-Veg Starters\t\t\tPrice in Rs."+"\n");

System.out.println("1-Chicken Lollipop\t\t\t170");

System.out.println("2-Chicken Tikka\t\t\t\t170");

System.out.println("3-Chicken Crispy\t\t\t170");

System.out.println("4-Chilli Chicken\t\t\t190");

System.out.println("5-Tangdi Kebab\t\t\t\t190");

System.out.println("6-Tandoori Chicken\t\t\t190");

System.out.println("7-Afghani Chicken\t\t\t200");

System.out.println("8-Chicken Seekh Kebab\t\t\t200");

System.out.println("9-Fish Tikka\t\t\t\t200");

System.out.println("10-Shanghai Lasni Kebab\t\t\t230");

System.out.println("Select a Starter from the given list by entering the correct number");

nvs=in.nextInt();

if(nvs<=10&&nvs>0)

{

System.out.println("Enter the total number of plates you want to order");

tnvs=in.nextInt();

if(nvs>=1&&nvs<=3)

nvsamt=tnvs\*170;

if(nvs>=4&&nvs<=6)

nvsamt=tnvs\*190;

if(nvs>=7&&nvs<=9)

nvsamt=tnvs\*200;

if(nvs==10)

nvsamt=tnvs\*230;

tnvsamt=tnvsamt+nvsamt;

}

else

System.out.println("Please enter number of one of the above mentioned options properly");

}

}

else

{

System.out.println("Please enter one of the correct choices");

o.starters();

}

bill=bill+tvsamt+tnvsamt;

}

public void maincourse()

{

Scanner in=new Scanner(System.in);

restaurant o=new restaurant();

System.out.println("Welcome to Main Course menu");

int vmc,nvmc,cmc;String ch="";

int tvmc=0,tnvmc=0,tcmc=0;

int vmcamt=0,nvmcamt=0,cmcamt=0;

int tvmcamt=0,tnvmcamt=0,tcmcamt=0;

System.out.println("Enter 'veg' for Veg main course");

System.out.println("Enter 'nonveg' for Non-Veg main course");

System.out.println("Enter 'chinese' for Chinese main course");

ch=in.next();

if(ch.equalsIgnoreCase("veg")||ch.equalsIgnoreCase("nonveg")||ch.equalsIgnoreCase("chinese"))

{

if(ch.equalsIgnoreCase("veg"))

{

System.out.println("Welcome to Indian Veg Dishes");

System.out.println("Indian Veg Dishes\t\t\t\tPrice in Rs."+"\n");

System.out.println("1-Shahi Paneer\t\t\t\t\t\t170");

System.out.println("2-Paneer Tikka Masala\t\t\t\t\t170");

System.out.println("3-Mutter Paneer\t\t\t\t\t\t170");

System.out.println("4-Malai Kofta\t\t\t\t\t\t150");

System.out.println("5-Chana Masala\t\t\t\t\t\t150");

System.out.println("6-Kadahi Paneer\t\t\t\t\t\t150");

System.out.println("7-Veg Kolhapuri\t\t\t\t\t\t180");

System.out.println("8-Kaju Masala\t\t\t\t\t\t180");

System.out.println("9-Shev Bhaji\t\t\t\t\t\t180");

System.out.println("10-Tandoor Roti\t\t\t\t\t\t30");

System.out.println("11-Butter Naan\t\t\t\t\t\t40");

System.out.println("12-Paratha\t\t\t\t\t\t50");

System.out.println();

System.out.println("Select any one of the above by entering its number");

vmc=in.nextInt();

if(vmc<=12&&vmc>0)

{

System.out.println("Enter the total number of plates you want to order");

tvmc=in.nextInt();

if(vmc>=1&&vmc<=3)

vmcamt=tvmc\*170;

if(vmc>=4&&vmc<=6)

vmcamt=tvmc\*150;

if(vmc>=7&&vmc<=9)

vmcamt=tvmc\*180;

if(vmc==10)

vmcamt=tvmc\*30;

if(vmc==11)

vmcamt=tvmc\*40;

if(vmc==12)

vmcamt=tvmc\*50;

tvmcamt=tvmcamt+vmcamt;

}

else

System.out.println("Please enter number of one of the above mentioned options properly");

}

if(ch.equalsIgnoreCase("nonveg"))

{

System.out.println("Welcome to Indian Non-Veg Dishes");

System.out.println("Indian Non-Veg Dishes\t\t\t\tPrice in Rs."+"\n");

System.out.println("1-Chicken Tikka Masala\t\t\t\t\t180");

System.out.println("2-Chicken Tikka Labadar\t\t\t\t\t180");

System.out.println("3-Fish Dhaniawala\t\t\t\t\t180");

System.out.println("4-Butter Chicken\t\t\t\t\t200");

System.out.println("5-Chicken Handi\t\t\t\t\t\t200");

System.out.println("6-Mutton Handi\t\t\t\t\t\t200");

System.out.println("7-Murg Masallam\t\t\t\t\t\t220");

System.out.println("8-Mutton Rogan Josh\t\t\t\t\t220");

System.out.println("9-Prawn Malai Curry\t\t\t\t\t220");

System.out.println("10-Tandoor Roti\t\t\t\t\t\t30");

System.out.println("11-Butter Naan\t\t\t\t\t\t40");

System.out.println("12-Paratha\t\t\t\t\t\t50");

System.out.println();

System.out.println("Select any one of the above by entering its number");

nvmc=in.nextInt();

if(nvmc<=12&&nvmc>0)

{

System.out.println("Enter the total number of plates you want to order");

tnvmc=in.nextInt();

if(nvmc>=1&&nvmc<=3)

nvmcamt=tnvmc\*180;

if(nvmc>=4&&nvmc<=6)

nvmcamt=tnvmc\*200;

if(nvmc>=7&&nvmc<=9)

nvmcamt=tnvmc\*220;

if(nvmc==10)

nvmcamt=tnvmc\*30;

if(nvmc==11)

nvmcamt=tnvmc\*40;

if(nvmc==12)

nvmcamt=tnvmc\*50;

tnvmcamt=tnvmcamt+nvmcamt;

}

else

System.out.println("Please enter number of one of the above mentioned options properly");

}

if(ch.equalsIgnoreCase("chinese"))

{

System.out.println("Welcome to Chinese Dishes");

System.out.println("Chinese Dishes\t\t\t\tPrice in Rs."+"\n");

System.out.println("1-Schezwan Fried Rice\t\t\t\t220");

System.out.println("2-Veg Fried Rice\t\t\t\t220");

System.out.println("3-Chicken Fried Rice\t\t\t\t220");

System.out.println("4-Chicken Noodles\t\t\t\t240");

System.out.println("5-Veg Hakka Noodles\t\t\t\t240");

System.out.println("6-Kimchi Rice Veg \t\t\t\t240");

System.out.println("7-Chicken Manchurian\t\t\t\t250");

System.out.println("8-Paneer Manchurian\t\t\t\t250");

System.out.println("9-Shanghai Fried Rice\t\t\t\t250");

System.out.println();

System.out.println("Select any one of the above by entering its number");

cmc=in.nextInt();

if(cmc<=9&&cmc>0)

{

System.out.println("Enter the total number of plates you want to order");

tcmc=in.nextInt();

if(cmc>=1&&cmc<=3)

cmcamt=tcmc\*220;

if(cmc>=4&&cmc<=6)

cmcamt=tcmc\*240;

if(cmc>=7&&cmc<=9)

cmcamt=tcmc\*250;

tcmcamt=tcmcamt+cmcamt;

}

else

System.out.println("Please enter number of one of the above mentioned options properly");

}

}

else

{

System.out.println("Please enter one of the correct choices");

o.maincourse();

}

bill=bill+tvmcamt+tnvmcamt+tcmcamt;

}

public void deserts()

{

Scanner in=new Scanner(System.in);

restaurant o=new restaurant();

System.out.println("Welcome to Deserts menu");

int des;

int desamt=0;

int tdesamt=0;

int tdes=0;

System.out.println("Deserts\t\t\t\t\tPrice in Rs."+"\n");

System.out.println("1-Softy Pineapple\t\t\t\t100");

System.out.println("2-Softy Crunchy Chocolate\t\t\t100");

System.out.println("3-Chocolate Walnut Brownie\t\t\t100");

System.out.println("4-Chocolate Doughnut\t\t\t\t90");

System.out.println("5-Marble Cake\t\t\t\t\t90");

System.out.println("6-Mocha Magic\t\t\t\t\t90");

System.out.println("7-Black Forest Gateaux\t\t\t\t80");

System.out.println("8-Mango Shake\t\t\t\t\t80");

System.out.println("9-Tooty Fruity\t\t\t\t\t120");

System.out.println();

System.out.println("Select any one of the above by entering its number");

des=in.nextInt();

if(des<=9&&des>0)

{

System.out.println("Enter the total number of plates you want to order");

tdes=in.nextInt();

if(des>=1&&des<=3)

desamt=tdes\*100;

if(des>=4&&des<=6)

desamt=tdes\*90;

if(des>=7&&des<=8)

desamt=tdes\*80;

if(des==9)

desamt=tdes\*120;

tdesamt=tdesamt+desamt;

}

else

System.out.println("Please enter number of one of the above mentioned options properly");

bill=bill+tdesamt;

}

public void billtot()

{

Scanner in=new Scanner(System.in);

restaurant o=new restaurant();

loading on=new loading();

System.out.println("\f");

on.loading();

System.out.println("Total Bill:");

tax=Math.round(7.5\*bill/100);

totalbill=totalbill+bill+tax;

System.out.println("Total Cost(not inclusive of tax) = Rs."+bill);

System.out.println("Tax Charged =Rs."+tax);

System.out.println("Total Amount to be paid =Rs."+Math.round(totalbill)+".0");

System.out.println();

System.out.println("Thanks For Coming");

System.out.println("Visit Again"+"\n"+"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

for(int i=0;i<=999999999;i++)

{

if(i==999999999)

break;

}

for(int j=0;j<=999999999;j++)

{

if(j==999999999)

break;

}

for(int l=0;l<788888888;l++)

{

if(l==788888888)

break;

}

for(int k=0;k<=999999999;k++)

{

if(k==999999999)

System.out.print("\f");

}

}

}

**CLASS LOADING:**

public class loading//A PROGRAM OF CONCEPT OF LOADING

{

int i=10;

public static void loading()

{

loading ob=new loading();

for(int j=0;j<10;j++)

ob.L70();

}

public void L70()

{

int ald[]={9409,9412,9398,9401,9406,9411,9404};

System.out.print("\n\n\n\n\n\n\n\t\t\t\t");

for(int j=0;j<=6;j++)

System.out.print((char)(ald[j]));

System.out.println();

System.out.println();

System.out.print("\t\t\t\t");

for(int i=0;i<77777777;i++)

{

}

System.out.print((char)(10070));

for(int i=0;i<77777777;i++)

{

}

System.out.print((char)(10070));

for(int i=0;i<77777777;i++)

{

}

System.out.print((char)(10070));

for(int i=0;i<77777777;i++)

{

}

System.out.print((char)(10070));

for(int i=0;i<77777777;i++)

{

}

System.out.print((char)(10070));

for(int i=0;i<77777777;i++)

{

}

System.out.print(" "+i+"%");

for(int i=0;i<5777777;i++)

{

}

i+=10;

System.out.print("\f");

}

}

**CLASS HQ:**

import java.util.Scanner;

public class HQ//AN APP OF HOTEL MANAGEMENT(THIS IS THE HEADQUARTERS)

{

public static void main()

{

Scanner in=new Scanner(System.in);

checkin ob=new checkin();

restaurant on=new restaurant();

loading o=new loading();

HQ obj=new HQ();

System.out.println("\*\*\*\*\*\*\*\*Welcome to the EXPLICIT Lodging And Restaurant\*\*\*\*\*\*\*\*");

System.out.println("What would you like to do first?");

System.out.println("Press 1 to book a room");

System.out.println("Press 2 to get into the restaurant to have food");

int lr=in.nextInt();

if(lr==1)

{

System.out.print("\f");

o.loading();

ob.checkin();

System.out.println("Would you like to go to the restaurant to have food?");

System.out.println("Press 'Y' if you want to "+"\n"+"else'N'");

String ch=in.next();

if(ch.equalsIgnoreCase("Y"))

{

System.out.println("Welcome to the EXPLICIT Restaurant!!!!!");

on.restaurant();

}

else

{ System.out.println("Its okay "+"All Right");

System.out.print("\f");

}

}

if(lr==2)

{

System.out.print("\f");

o.loading();

System.out.println("Welcome to the EXPLICIT Restaurant!!!!!");

on.restaurant();

System.out.println("Would you like to book a room in our hotel?");

System.out.println("Press 'Y' if you want to "+"\n"+"else 'N'");

String ch1=in.next();

if(ch1.equalsIgnoreCase("Y"))

ob.checkin();

else

{ System.out.println("Its okay "+"All Right");

System.out.print("\f");

}

}

if(lr!=1&&lr!=2)

{

System.out.print("\f");

System.out.println("You have entered the wrong choice");

System.out.println("Please enter one of the correct choices");

obj.main();

}

}

}

**CHECKIN-**

**INPUT:**

Enter Customer's name

tejas deore

What kind of room would you like to book?

Press 1 to get a non-ac room

Press 2 to get a ac room

Press 3 to get a delux room

Press 4 to get a super delux room

3

For how many days would you like to book a room for?

3

These are the available delux rooms in our hotel

302

307

315

334

364

The price charged on each of these rooms is Rupees 5000

If you wish to pay Rupees 15000 and book a room

Press Y

else N

y

Enter the room number you want to book from the above available rooms

302

**OUTPUT:**

Your room is booked

You can go and rest for a while in your room

**RESTAURANT-**

**INPUT:**

What would you like to order?

Press 1 for Starters

Press 2 for Main Course

Press 3 for Deserts

Enter your choice

3

Welcome to Deserts menu

Deserts Price in Rs.

1-Softy Pineapple 100

2-Softy Crunchy Chocolate 100

3-Chocolate Walnut Brownie 100

4-Chocolate Doughnut 90

5-Marble Cake 90

6-Mocha Magic 90

7-Black Forest Gateaux 80

8-Mango Shake 80

9-Tooty Fruity 120

Select any one of the above by entering its number

4

Enter the total number of plates you want to order

3

Do you want to place more order?

Press 'Y' is yes

Else Press 'N'

N

**OUTPUT:**

Total Bill:

Total Cost(not inclusive of tax) = Rs.270.0

Tax Charged =Rs.20.0

Total Amount to be paid =Rs.290.0

Thanks For Coming

Visit Again

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**HQ-**

**INPUT:**

\*\*\*\*\*\*\*\*Welcome to the EXPLICIT Lodging And Restaurant\*\*\*\*\*\*\*\*

What would you like to do first?

Press 1 to book a room

Press 2 to get into the restaurant to have food

2

**OUTPUT:**

APPROPRIATE OUTPUT GIVEN

**VARIABLE TABLE:**

|  |  |  |
| --- | --- | --- |
| DATA TYPE : | VARIABLE NAME : | USE |
| INTEGER | Days | TO STORE THE NO OF DAYS |
| INTEGER | rno | TO STORE THE ROOM NO USER WANTS |
| INTEGER | room | TO STORE THE KIND OF ROOM USER WANTS |
| INTEGER | ramt1 | TO STORE THE AMT REQUIRED(NONAC) |
| INTEGER | ramt2 | TO STORE THE AMT REQUIRED(AC) |
| INTEGER | ramt3 | TO STORE THE AMT REQUIRED(DELUX) |
| INTEGER | ramt4 | TO STORE THE AMT REQUIRED(S.DELUX) |
| INTEGER | i | TO DISPLAY THE %  (LOADING) |
| INTEGER | ald[] | TO STORE ASCII VALUES OF LETTERS |
| DOUBLE | bill | TO STORE BILL (NOT  INCLUDING TAX) |
| DOUBLE | tax | TO STORE TAX |
| DOUBLE | totalbill | TO STORE TOTALBILL (INCLUDING TAX) |
| INTEGER | ans | TO STORE THE TYPE OF ORDER |
| INTEGER | vs | TO STORE STARTER VALUE(VEG) |
| INTEGER | nvs | TO STORE STARTER VALUE(NONVEG) |
| INTEGER | tvs | TO STORE VALUE OF TOTAL NO OF PLATES  (VEG) |
| INTEGER | tnvs | TO STORE VALUE OF TOTAL NO OF PLATES  (NONVEG) |
| INTEGER | tvsamt | TO STORE BLL OF VEG STARTERS |
| INTEGER | tnvsamt | TO STORE BILL OF NONVEG STARTERS |
| INTEGER | vmc | TO STORE MAIN COURSE VALUE(VEG) |
| INTEGER | nvmc | TO STORE MAIN COURSE VALUE (NONVEG) |
| INTEGER | cmc | TO STORE MAIN COURSE VALUE (CHINESE) |
| INTEGER | tvmc | TO STORE VALUE OF TOTAL NO OF PLATES  (VEG) |
| INTEGER | tnvmc | TO STORE VALUE OF TOTAL NO OF PLATES  (NONVEG) |
| INTEGER | tcmc | TO STORE VALUE OF TOTAL NO OF PLATES  (CHINESE) |
| INTEGER | tvmcamt | TO STORE BILL OF VEG MAIN COURSE |
| INTEGER | tnvmcamt | TO STORE BILL OF NONVEG MAIN COURSE |
| INTEGER | tcmcamt | TO STORE BILL OF CHINESE MAIN COURSE |
| INTEGER | des | TO STORE DESERT VALUE |
| INTEGER | tdes | TO STORE VALUE OF TOTAL NO OF PLATES  (DESERTS) |
| INTEGER | tdesamt | TO STORE BILL OF DESERTS |
| INTEGER | lr | TO STORE VALUE TO ENTER INTO A CLASS |

**BIBLIOGRAPHY:**

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