**package** com.sher;

**abstract** **public** **class** Event {

**public** **abstract** Double projectedRevenue();

String name;

String details;

String ownername;

}

**package** com.sher;

**public** **class** Exhibition **extends** Event

{

**int** noOfStall;

**int** revenue;

**public** **int** getNoOfStall() {

**return** noOfStall;

}

**public** **void** setNoOfStall(**int** noOfStall) {

**this**.noOfStall = noOfStall;

}

**public** Double projectedRevenue()

{

revenue=noOfStall\*10000;

System.***out***.println("The revenue of that event is"+" "+revenue);

**return** 0.0;

}

}

**package** com.sher;

**public** **class** StageEvent **extends** Event{

**int** noOfShow;

**int** noOfSeatsPerShow;

**int** revenue;

**public** **int** getNoOfShow() {

**return** noOfShow;

}

**public** **void** setNoOfShow(**int** noOfShow) {

**this**.noOfShow = noOfShow;

}

**public** **int** getNoOfSeatesPerShow() {

**return** noOfSeatsPerShow;

}

**public** **void** setNoOfSeatsPerShow(**int** noOfSeatsPerShow) {

**this**.noOfSeatsPerShow = noOfSeatsPerShow;

}

**public** Double projectedRevenue()

{

revenue= 50\*noOfShow\*noOfSeatsPerShow;

System.***out***.println("The projected revenue of that event is"+" "+revenue);

**return** 0.0;

}

}

**package** com.sher;

**import** java.util.Scanner;

**public** **class** Main {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** choice;

**int** noOfStall,noOfShow,noOfSeatsPerShow;

String name,details,ownername;

**int** revenue;

Scanner input=**new** Scanner(System.***in***);

Event event1=**new** Exhibition();

Event event2=**new** StageEvent();

System.***out***.println("Enter the name of the event is:");

name=input.nextLine();

System.***out***.println("Enter the detail of the event is:");

detail=input.nextLine();

System.***out***.println("Enter the owner name of the event is:");

ownerName=input.nextLine();

System.***out***.println("Enter the type of event:");

System.***out***.println("1.Exhibition\n2.Stage Event");

System.***out***.println(“n2.Stage Event");

ch=input.nextInt();

**switch**(ch)

{

**case** 1:

System.***out***.println("Enter the number of stalls:");

noOfStall=input.nextInt();

((Exhibition)event1).setNoOfStall(noOfStall);

event1.projectedRevenue();

**break**;

**case** 2:

System.***out***.println("Enter the number of shows:");

noOfShow=input.nextInt();

noOfSeatsPerShow=input.nextInt();

((StageEvent)event2).setNoOfShow(noOfShow);

((StageEvent)event2).setNoOfSeatsPerShow(noOfSeatsPerShow);

event2.projectedRevenue();

**break**;

}

}

}