1. PROGRAM:

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

	public static void main(String[] args) {

		try {

		System.out.println("Enter the numbers of over");
		Scanner scan=new Scanner(System.in);
		int over=scan.nextInt();
		scan.nextLine();
		if(over>0) {
		System.out.println("Enter the numbers of runs for each over");
	 int []run=new int[over];
	for(int i=0;i<over;i++)
	{
	run[i]=scan.nextInt();
	scan.nextLine();

}
System.out.println("Enter the over number");
int num=scan.nextInt();
scan.nextLine();

if(num<=over)
switch(num) {
case 1:
    System.out.println("Run scored in the over:"+run[0]);
    break;
case 2:
    System.out.println("Run scored in the over:"+run[1]);
    break;
case 3:
    System.out.println("Run scored in the over:"+run[2]);
}
		}
		else if(over<0)throw new NegativeArraySizeException();
		else if(num>over)throw new ArrayIndexOutOfBoundsException();

		}
		catch (NegativeArraySizeException e) {
			System.out.println(e);
		}
		catch(ArrayIndexOutOfBoundsException e)
		{
```

```
                                    System.out.println(e);
                                }
            }
            }
```

OUTPUT:

Enter the number of overs

3

Enter the number of run for each over

8

15

12

Enter the over number

2

Runs scored in this over:15

Enter the number of overs

-1

Enter the number of runs for each over

Java.lang.NegativeArraySizeException

2. PROGRAM:

```
import java.lang.*;
import java.util.Scanner;

class CustomException extends Exception{
   CustomException(String s){
      super(s);
   }
}

public class Main
{
```

```
        public static void main(String[] args) {
                try {
   Scanner scan = new Scanner(System.in);
   System.out.println("Enter the player name");
   String playerName = scan.nextLine();
   System.out.println("Enter the player age");
   int age = scan.nextInt();
   scan.nextLine();
   if(age>18)
   {
     System.out.println("Player name: " + playerName);
     System.out.println("Player age: " + age);
   }
   else
   {
     throw new CustomException("InvalidAgeRangeException");
   }
  }

  catch(CustomException  e)
  {
     System.out.println(e);
  }
        }
}
```

OUTPUT:

Enter the player name

Albie Morkel

Enter the player age

35

Player name:Albie Morkel

Player age:35

Enter the player name

Ishan Kishan

Enter the player age

16

CustomException:InvalidAgeRangeException

3.PROGRAM:

```
import java.util.*;
import java.lang.*;


class TeamNameNotFoundException extends Exception{
   public TeamNameNotFoundException(String s){
      super(s);
   }
}
public class I
{
public static void main(String[] args) {
  try {
     Scanner scan = new Scanner(System.in);
   System.out.println("Enter the expected winner of IPL Season 4");
   String winner = scan.nextLine();
   System.out.println("Enter the expected runner of IPL Season 4");
   String runner = scan.nextLine();
   String win = winner.toLowerCase();
   String run = runner.toLowerCase();
```

```
   if((win.equals("chennai super kings") || win.equals("deccan chargers") || win.equals("delhi daredevils") || win.equals("kings xi punjab") || win.equals("kolkata knight riders") || win.equals("mumbai indians") || win.equals("rajasthan royals") || win.equals("royal challengers bangalore")) && (run.equals("chennai super kings") || run.equals("deccan chargers") || run.equals("delhi daredevils") || run.equals("kings xi punjab") || run.equals("kolkata knight riders") || run.equals("mumbai indians") || run.equals("rajasthan royals") || run.equals("royal challengers bangalore"))){
      System.out.println("Expected winner of IPL Season 4: " + winner);
      System.out.println("Expected runner of IPL Season 4: " + runner);
   }
   else{
      throw new TeamNameNotFoundException("Entered team is not part of IPL Season 4");
   }

  } catch(TeamNameNotFoundException  e) {
      System.out.println(e);
  }
}
}
```

OUTPUT:

Enter the expected winner team of IPL Season 4

Chennai Super Kings

Enter the expected runner Team of IPL Season 4

Mumbai Indians

Expected IPL Season 4 winner: Chennai Super Kings

Expected IPL Season 4 runner: Mumbai Indians

Enter the expected winner team of IPL Season 4

Pune Warriors

TeamNameNotFoundException: Entered team is not a part of IPL Season 4