Hands-On

**Program 1:**

import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

System.out.println("Enter the number of overs");

int over =s.nextInt();

int runs[] = new int[over];

System.out.println("Enter the number of runs for each over");

for(int i = 0; i < over; i++){

runs[i] = s.nextInt();

}

System.out.println("Enter the over number");

int a= s.nextInt();

try{

if(a>=over) throw new Exception("java.lang.ArrayIndexOutOfBoundsException");

if(a<=-1) throw new Exception("java.lang.NegativeArraySizeException");

System.out.println("Runs scored in this over : "+runs[a]);

}

catch(Exception e){

System.out.println(e);

}

}

}

**Progarm 2:**

import java.util.Scanner;

class Custom{

void details(String name, int age){

String n = name;

int a=age;

try{

if(a<=18) throw new Exception("Custom Exception : InvalidAgeRangeException");

System.out.println("Player name : "+ n +"\nPlayer age : "+ a);

}

catch(Exception e){

System.out.println("Custom Exception : InvalidAgeRangeException");

}

}

}

public class Main

{

public static void main(String[] args) {

Custom obj= new Custom();

Scanner s= new Scanner(System.in);

System.out.println("Enter the player name ");

String name = s.nextLine();

System.out.println("Enter the player age ");

int age = s.nextInt();

obj.details(name,age);

}

}

**Program 3:**

import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

String[] teams= new String[] {"Chennai Super Kings","Deccan Chargers","Delhi Daredevils","Kings XI Punjab","Kolkata Knight Riders","Mumbai Indians","Rajasthan Royals","Royal Challengers Bangalore"};

System.out.println("Enter the expected winner team of IPL Season 4");

String winner =s.nextLine();

try{

if(Arrays.asList(teams).contains(winner)) throw new Exception("TeamNameNotFoundException: Entered team is not a part of IPL Season 4");

System.out.println("Enter the expected runner Team of IPL Season 4");

String runner =s.nextLine();

if(Arrays.asList(teams).contains(runner)) throw new Exception("TeamNameNotFoundException: Entered team is not a part of IPL Season 4");

System.out.println("Expected IPL Season 4 winner: "+ winner+"\nExpected IPL Season 4 runner: "+runner);

}

catch(Exception e){

System.out.println(e);

}

}

}