WEEK 4(29/09/2020)

Q.1) Player , average greater print it;

```
import java.util.Scanner;
class player1{


    int pId;
    private String pname;

    double average;
    int sum=0;
    int n;
    int i;
    int avg;
    int[] score;

    void getDetails(){
        Scanner s = new Scanner(System.in);
        System.out.println("ENTER THE DETAILS OF PLAYER");
        System.out.print("ENTER ID :");
        pId = s.nextInt();
        System.out.print("ENTER NAME :");
        pname = s.next();
        System.out.print("ENTER NO OF MATCHES PLAYED :");
        n = s.nextInt();
        int[] score = new int[n];
        for(i=0;i<n;i++){
            System.out.println("SCORE OF MATCH :"+(i+1));
            score[i] = s.nextInt();
        }
    }

    double avg(){

int sum=0;
        for(i=0;i<n;i++){
            sum += score[i];
        }

        return(sum/n+0.0);
    }

    void printDetails(){
        System.out.print("PLAYER NAME :"+pname);
        System.out.print("PLAYER ID"+pId);
        System.out.print("PLAYER AVG SCORE"+avg);
        System.out.print("NO OF MATCHES PLAYED :"+n);
    }
}
```

```
class playerMain{
    public static void main(String ss[]){
        double p1avg,p2avg;
        player1 p1 = new player1();
        player1 p2 = new player1();

        p1.getDetails();
        p1avg = p1.avg();
        p2avg = p2.avg();
        p1.avg();
        p2.avg();
        p2.getDetails();
        p1.printDetails();
        p2.printDetails();



        if(p1avg > p2avg){
            System.out.println("PLAYER WITH HIGHEST AVG SCORES IS :");
            p1.printDetails();
        }
        else if(p2avg > p1avg){
            System.out.println("PLAYER WITH HIGHEST AVG SCORES IS :");
            p2.printDetails();
        }
        else
            System.out.println("BOTH PLAYERS HAS EQUAL AVG SCORE:");
    }
}
```

Q.2) Book problem, most expensive print it;

```
import java.util.Scanner;
class book{
```

```
    String author;
    String name;
    String noofpgs;
    String price;

    Scanner sc = new Scanner(System.in);

    void getDetails(){
        System.out.println("author");
        author = sc.next();
        System.out.println("bookname");
        name = sc.next();
        System.out.println("NUM OF PAGES AND PRICE");
        noofpgs = sc.next();
        price = sc.next();
        }


    public String toString(){
        return ("AUTHOR :"+author+"\nBOOK NAME :"+name+"\nPAGES
:"+noofpgs+"\nPRICE :"+price);
    }

    book(){
       author ="xyz";
       name ="hirani";
       noofpgs ="56pgs";
       price = "100rs";
    }

    void display(){
        System.out.println("AUTHOR :"+author);
        System.out.println("BOOK NAME"+name);
        System.out.println("NUM PAGES"+noofpgs);
        System.out.println("PRICE"+price);
    }

}



class bookMain{
    public static void main(String ss[]){
        Scanner sc = new Scanner(System.in);
        int n;

        book s1 = new book();
        System.out.println("TO SHOW I INCLUDED DEFAULT CONSTRUCTOR");
        System.out.println("-----------------------------------");
        s1.display();
        System.out.println("-----------------------------------");

        System.out.println("\n\nENTER THE NUMBER OF BOOKS YOU WISH TO
ENTRY");
        n = sc.nextInt();
        System.out.println("-----------------------------------");
        book b[] = new book[n];
        for(int i=0;i<n;i++){
            System.out.println("ENTER DETAILS OF BOOK :"+(i+1));
            b[i] = new book();
            b[i].getDetails();
```

```
            System.out.println("-----------------------------------");
        }

        System.out.println("\n\nALL BOOK DETAILS THAT YOU ENTERED");
        System.out.println("-----------------------------------");
        for(int i=0;i<n;i++){
            System.out.println("\n**********************");
            System.out.println("BOOOK :"+(i+1));
            System.out.println(b[i].toString());
        }



    }
}
```