week-4 Practice Programs

(2)

```
import java.util.Scanner;
class book
{
  Public int bookid;
  Public string booktitle;
  Public double no_of_Pages;
  Public double year_of_Pub;
  Public string author;
  Public string Publisher;
  Public double Price;
void acceptDetails()
{
  System.out.Println("\n Enter Book details\n");
  Scanner b1=new Scanner(System.in);
  System.out.Println(" Enter the bookid:");
  bookid=b1.nextInt();
  System.out.Println(" Enter the booktitle:");
  booktitle=b1.next();
  System.out.Println(" Enter the no: of
                      Pages:");
  no_of_Pages=b1.nextDouble();
  System.out.Println(" Enter the year of
                      Published :");
  year_of_Pub=b1.next Double();
  System.out.Println(" Enter the Author:");
  author = b1.next();
  System.out.Println(" Enter the Publisher:");
  Publisher=b1.next();
```

```
system.out.Println("Enter the Price : ");
  Price = b1.nextDouble();
}

void displayDetails()
{
 System.out.Println("\n\nDisplay Book Details\n");
 system.out.Println("Book id : "+bookid);
 system.out.Println("Book title : "+booktitle);
 System.out.Println("No! of Pages : "+no_of_Pages);
 system.out.Println("year of Published : "+year_of_Pub);
 system.out.Println("Name of the Author : "+author);
 system.out.Println("Publisher : "+Publisher);
 system.out.Println("Price of the book : "+Price);
}
}

class Book_Main
{
 Public static void main(String args[])
 {
  book b1 = new book();
  b1.acceptDetails();
  book b2 = new book();
  b2.acceptDetails();
  book b3 = new book();
  b3.acceptDetails();
  b1.displayDetails();
  b2.displayDetails();
  b3.displayDetails();
```

```
if((b1.Price >b2.Price) && (b1.Price >b3.Price))
{
System.out.Println("The BookTitle of the most
  expensive Book is :" +b1.booktitle);
}
else if((b2.Price>b1.Price)) && (b2.Price >b3.Price))
{
System.out.Println("The Booktitle of the most
  expensive Book is :" +b2.booktitle);
}
else
{
System.out.Println("The Booktitle of the most
  expensive Book is :" +b3.booktitle);
}
if((b1.no_of_Pages <b2.no_of_Pages) &&
     (b1.no_of_Pages <b3.no_of_Pages))
{
  system.out.Println("The Book details of the
  book with least no: of Pages:");
   b1.displayDetails();
else if((b2.no_of_Pages <b1.no_of_Pages) &&
       (b2.no_of_Pages <b3.no_of_Pages))
{
  System.out.Println("The Book details of the
  book with least no: of Pages:");
   b2.displayDetails();
}
```

```
else
{
 System.out.Println("The Book Details of the book
   with least no: of Pages :");
    b3.displayDetails();
 }

if((b1.year_of_Pub==2020)||(b2.year_of_Pub==2020)
     ||(b3.year_of_Pub==2020))
{
 System.out.Println("\nThe count of the books
   Published in the year 2020 is: 1\n");
 }
else if((b1.year_of_Pub==2020)&&(b2.year_of_Pub
        &&(b3.year_of_Pub==2020))          ==2020)
{
 System.out.Println("\nThe count of the books
   Published in the year 2020 is : 3\n");
}
else
{
 System.out.Println("\nThe count of the books
   Published in the year 2020 is : 2\n");
 }
}

}
```

① import java.util.Scanner;
class Player
{
Public int id;
Public string name;
Public int scores[];
Public int no_matches_Played;
Player(){ }
void acceptDetails()
{
Scanner ss = new Scanner(system.in);
system.out.Println("Enter the Player details");
System.out.Println("Enter the Player Id:");
id = ss.nextInt();
System.out.Println("Enter the Player Name:");
name = ss.next();
System.out.Println("~~Enter~~ No: of matches Played:");
no_matches_Played = ss.nextInt();
scores = new int[no_matches_Played];
for(int i=0; i<no_matches_Played; i++)
{
System.out.Println("Enter the Match score" +(i+1)+":");
}
}

```
void display()
{
system.out.Println("The Player Details with
                    Greater Average Score:");
system.out.Println("Player Id:" +id);
system.out.Println("Player Name :" +name);
system.out.Println("Number of matches Played by
                    Player :" +no_matches_Played);
for(int i=0; i<no_matches_Played ; i++)
{
 system.out.Println("The score in Matchs" +(i+1)
                    +":" +scores[i]);
 }
}
double calculateAverage()
{
 double result=0;
for(int i=0; i<no_matches_Played ;i++)
{
 result = result +scores[i];
 }
 return result/no_matches_Played ;
}
 class Player_Main
{
 Public static void main (string args[])
 {
  Player P1 = new Player();
  P1.acceptDetails();
  Player P2 = new Player();
  P2.acceptDetails();
```

```
if (P1.calculateAverage() > P2.calculateAverage())
{
  P1.disPlay();
  System.out.Println("The Average Score:"
                          + P1.calculateAverage());
}
else
{
  P2.disPlay();
  System.out.Println("The Average Score:"
                          + P2.calculateAverage());
}
}
```