-	Week 4 (Extra questione)
	Vermi, a comment of the comment of t
1.	import java-util Scanner;
	class Player
	2
	String id, name;
-	int We amatches-played i sum;
-	float any.
	int scores (3)
17/20	Player()
	· ·
	Scanner & c= new Scanner (8 ystem. in)'  8 ystem-out-paintly "Enter the number of matches
	system-out-paintly" Enter the number of matches
	pagea ,
	no matches played = 80 next Into
	stres - new Ind [ no matches played ].
	Sum=o;
	void auepte
	9
	Scanner of same of the
	Scanner &c=new & canner (System.in)
	System. out. println[" Enter id and name"); id= sc-next();
	name = & c. next();
	for (i=0) i cmo-matchesplayed; (i+1)
	& cros-tracerrated ed; Ctt)
	System. ord. privater "1 outer "+ citi)+" matches scori);
1	storestid: scruttuto;
	3
3	
1	void call
1	The colors like a boundary
	for (i=0; i < no-matches-played; its)
	Sum: sumt l'orescio)

ang: (float) Lum pro-matches played; void display() System out pointly ("Player details!") System out printly "Name: "+ name). System out printly ("ID: "+id); System out parentler ("Average score: %. 21 )", aug) dass Playermain public Static void main (String args CJ) Player p1 = new Player(); Di- orreba() pr. (all); p1-diplayer; Player pro- new Playered; paiaccepto: pa-calci; pa-display (1) if (b1, and > bs. and) Syxtem. out printly (prname+"has a higher average sweet); System. out println(" Details: ") System out printle ("TD: "+pr.id); System out paints ("Average score: %.2/1") System. out. println(" Number of matches played: "+pi.no matches played);

( if (pr. ang < pa-ang) Systemout-println(pd. name+ " has a higher average score"); System out printly "Details; "); System out printly " ID: " + p2.12) System. out. printly ("Averege & core: %, 2/1" paravy); Bystem. pdl. posintln ("Number of motches played: "+ pa.no\_matches\_played); import java. util. & canner clair Book String bookid, booktitle, author publisher int no of pages, year-of-pub, is float price; void accept() 8 canner & c=new 8 cannor (System in ); System out printle (" Enter book id, title, author publisher number of pages in the booked-screeker; year of publishing ); booktitle=scnext() author: st. next publisher = 20 next no of pagu = sc. next Int(); price sinextfloat(); year- of Pub = sc. nextInt().

Static void display-most Expensive (int k, Book by) Syxtem. out. pointly" Book title of the most expensive book: " + b[k] book title); static void display 2020 (int c) System out println ("Count of the books published in the year dodo: "+c) Static void display least pages (int & Book bes) System out pointln ("Book details of the book with the least number of pages: "); System out printly ("Title: " + b[l] bookfille); System out printly "Book ID: "+ bEl J. book (d); System out printer ( " Author: "+ bEll-author). Eigstem-out-pointly ("Publisher: " 15 ElJ. publisher). Supreme out println ("Number of pages in the book: "+ beld no of pages l System. out printly ( Prince: "+ b[l] price); System out printles (" year of publishing: "+ ObclJ. year-of-publi void display() System out println ("Book details"); System out println ("Title: " + book + He); System. out printly ("Back ID: "+ acod booked)", System.out printly ("Author: "+ author) Eystem. out. printly (" Publisher: " + publisher) System. out println ("Number of pages in the book: " + no-of-paged)

System out println[ Price: "+ priced System out printles!" Year of publishing:" 1 + year of publ; Static void accept-authorName (Book bld) String a; Beanner sc= new &canner(8ystem.in); System-out paintle (" Mention the author name whose book details need to be diplayed ")" a: ecnext() System out printly (" Book details! "); Let (int i=0; 123; 1+1) i) (a. equal(bai), author)) System out-printlng" Title: "+603-book++10) System out printly (" Book ID: "+ b[i] , booking System. out printin ("Publisher: "+ bli] publisher of pages in the blook: " + blid. w. of-pages); System out println ("palce: "+ b [i] price) System out printhul" year of publishing 4 Eblis, year of publi class Bookmain public static void main (8toring args (2) inti, k=0, c=0, l=0; Book b[] - new Book (3] / Only assay of

198 (1=0; (3; Lit) blid-new Book(), // treation of object. (1=0; (23; C++) b(i). accept(); for (i=0) (23) (++) bail-display(); Book. accept\_author Name (6); if CbCoJ paice) bli J. parice & bCoJ. parice) b C2J. parice) else if ( 607, paice > 600] paice & o b[1] paice > 602) paice) else if ( b( D) pouce> b(1) pouce & & b(2), pouce> b(0, pouce) Book display most Expensive ( & 6) 409 (i=0; ic3 i+7 if Colid year of pub = = 2020 CH Book display 2020(c) if (bco]. nd of pages (bliting pages & & blotino of pages (blitino of pages) else if (bal) no of pages (ba) no of pages ld bad. ho of page ( 5 Ed) no of pages) else if C b[2]. no of pages ( b[1], no of pages & & b[2]. no\_ of pages ( b(D) no of pages) Book display- heart-pager (1, b)

```
import java.util.Scanner;
class Player
 String id, name;
 int no_matches_played,i,sum;
 float avg;
 int scores[];
 Player()
 {
 Scanner sc=new Scanner(System.in);
 System.out.println("Enter the number of matches played");
 no_matches_played=sc.nextInt();
 scores=new int[no_matches_played];
 sum=0;
 }
 void accept()
 {
 Scanner sc=new Scanner(System.in);
 System.out.println("Enter id and name");
 id=sc.next();
 name=sc.next();
 for(i=0;i<no_matches_played;i++)</pre>
 {
 System.out.println("Enter "+(i+1)+" match's score");
 scores[i]=sc.nextInt();
 }
 }
 void cal()
 {
```

```
for(i=0;i<no_matches_played;i++)</pre>
  sum=sum+scores[i];
 }
 avg=(float)sum/no_matches_played;
 }
 void display()
 {
 System.out.println("Player details:");
 System.out.println("Name: "+name);
 System.out.println("ID: "+id);
 System.out.printf("Average score: %.2f\n",avg);
 }
}
class PlayerMain
 public static void main(String args[])
 Player p1 = new Player();
 p1.accept();
 p1.cal();
 p1.display();
 Player p2 = new Player();
 p2.accept();
 p2.cal();
 p2.display();
 if(p1.avg>p2.avg)
  System.out.println(p1.name+" has a higher average score");
```

```
System.out.println("Details:");
  System.out.println("ID: "+p1.id);
  System.out.printf("Average score: %.2f\n",p1.avg);
  System.out.println("Number of matches played: "+p1.no_matches_played);
 }
  if(p1.avg<p2.avg)
 {
  System.out.println(p2.name+" has a higher average score");
  System.out.println("Details:");
  System.out.println("ID: "+p2.id);
  System.out.printf("Average score: %.2f\n",p2.avg);
  System.out.println("Number of matches played: "+p2.no_matches_played);
 }
}}
 :\Users\Adithi\Desktop\java_prgs>java PlayerMain
Enter the number of matches played
Enter id and name
Player1
Enter 1 match's score
Enter 2 match's score
Enter 3 match's score
Player details:
Name: Player1
Average score: 69.67
Enter the number of matches played
Enter id and name
Player2
Enter 1 match's score
30
Enter 2 match's score
Player details:
Name: Player2
ID: 37
Average score: 60.00
Player1 has a higher average score
Details:
ID: 25
Average score: 69.67
Number of matches played: 3
C:\Users\Adithi\Desktop\java_prgs>
```

```
import java.util.Scanner;
class Book
 String bookid, booktitle, author, publisher;
 int no_of_pages,year_of_pub,i;
 float price;
 void accept()
 {
 Scanner sc=new Scanner(System.in);
 System.out.println("Enter book id, title, author, publisher, number of pages in the book, price and year
of publishing");
 bookid=sc.next();
 booktitle=sc.next();
 author=sc.next();
 publisher=sc.next();
 no_of_pages=sc.nextInt();
 price=sc.nextFloat();
 year_of_pub=sc.nextInt();
 }
 static void display_mostExpensive(int k,Book b[])
 {
  System.out.println("Book title of the most expensive book: "+b[k].booktitle);
 }
 static void display_2020(int c)
 {
  System.out.println("Count of the books published in the year 2020: "+c);
```

```
}
static void dispaly_least_pages(int I,Book b[])
{
 System.out.println("Book details of the book with the least number of pages:");
 System.out.println("Title: "+b[l].booktitle);
 System.out.println("Book ID: "+b[I].bookid);
 System.out.println("Author: "+b[l].author);
 System.out.println("Publisher: "+b[l].publisher);
 System.out.println("Number of pages in the book: "+b[I].no_of_pages);
 System.out.println("Price: "+b[l].price);
 System.out.println("Year of publishing: "+b[I].year_of_pub);
 }
void display()
System.out.println("Book details:");
System.out.println("Title: "+booktitle);
System.out.println("Book ID: "+bookid);
System.out.println("Author: "+author);
System.out.println("Publisher: "+publisher);
System.out.println("Number of pages in the book: "+no_of_pages);
System.out.println("Price: "+price);
System.out.println("Year of publishing: "+year_of_pub);
}
static void accept_authorName(Book b[])
{
 String a;
 Scanner sc=new Scanner(System.in);
```

```
System.out.println("Mention the author's name whose book details need to be dispalyed");
  a=sc.next();
  System.out.println("Book details:");
  for(int i=0;i<3;i++)
  {
   if(a.equals(b[i].author))
   {
     System.out.println("Title: "+b[i].booktitle);
     System.out.println("Book ID: "+b[i].bookid);
     System.out.println("Publisher: "+b[i].publisher);
     System.out.println("Number of pages in the book: "+b[i].no_of_pages);
     System.out.println("Price: "+b[i].price);
     System.out.println("Year of publishing: "+b[i].year_of_pub);
   }
  }
 }
class BookMain
 public static void main(String args[])
 {
  int i,k=0,c=0,l=0;
  Book b[] = new Book[3];
  for(i=0;i<3;i++)
  {
   b[i]=new Book();
  }
  for(i=0;i<3;i++)
  {
```

}

{

```
b[i].accept();
 }
 for(i=0;i<3;i++)
 {
  b[i].display();
 }
 Book.accept_authorName(b);
 if(b[0].price>b[1].price && b[0].price>b[2].price)
 k=0;
 else if(b[1].price>b[0].price && b[1].price>b[2].price)
 k=1;
 else if(b[2].price>b[1].price && b[2].price>b[0].price)
 k=2;
 Book.display_mostExpensive(k,b);
 for(i=0;i<3;i++)
 {
  if(b[i].year_of_pub==2020)
  C++;
 }
 Book.display_2020(c);
 if(b[0].no_of_pages<b[1].no_of_pages && b[0].no_of_pages<b[2].no_of_pages)
 I=0;
 else if(b[1].no_of_pages<b[0].no_of_pages && b[1].no_of_pages<b[2].no_of_pages)
 l=1;
 else if(b[2].no_of_pages<b[1].no_of_pages && b[2].no_of_pages<b[0].no_of_pages)
 l=2;
 Book.dispaly_least_pages(l,b);
}
```

```
C:\Users\Adithi\Desktop\java_prgs>java BookMain
Enter book id, title, author, publisher, number of pages in the book, price and year of publishing
123
Title1
Author1
Publisher1
100
1000
2018
Enter book id, title, author, publisher, number of pages in the book, price and year of publishing
234
Title2
Author2
Publisher2
200
2000
2019
Enter book id, title, author, publisher, number of pages in the book, price and year of publishing
Title3
Author3
Publisher3
300
3000
2020
Book details:
Title: Title1
Book ID: 123
Author: Author1
Publisher: Publisher1
Number of pages in the book: 100
Price: 1000.0
Year of publishing: 2018
Book details:
Title: Title2
Book ID: 234
Author: Author2
Publisher: Publisher2
Number of pages in the book: 200
Price: 2000.0
Year of publishing: 2019
Book details:
Title: Title3
Book ID: 345
Author: Author3
Publisher: Publisher3
Number of pages in the book: 300
Price: 3000.0
Year of publishing: 2020
```

Book ID: 345 Author: Author3

Publisher: Publisher3

Number of pages in the book: 300

Price: 3000.0

Year of publishing: 2020

Mention the author's name whose book details need to be dispalyed

Author2 Book details: Title: Title2 Book ID: 234

Publisher: Publisher2

Number of pages in the book: 200

Price: 2000.0

Year of publishing: 2019

Book title of the most expensive book: Title3 Count of the books published in the year 2020: 1

Book details of the book with the least number of pages:

Title: Title1 Book ID: 123 Author: Author1 Publisher: Publisher1

Number of pages in the book: 100

Price: 1000.0

Year of publishing: 2018

C:\Users\Adithi\Desktop\java\_prgs>