Nithish Kumar.M
1BM19CS107
B3

7.

```
import java.util.*;
class play{
String id, name;
int matches_played;
 double total=0, avg=0;
double scores[];
 void get details() {
 Scanner in = new Scanner(System.in);
 System.out.println("Enter name and id of a player");
    name = in.next();
    id = in.next();
 System.out.println("Enter no of matches played");
  matches_played = in.nextInt();
   scores = new double[matches_played];
   for(int i=0; i<matches_played; i++) {
   System.out.println("Enter score of match "+(i+1));
    scores[i] = in.nextInt();
}
}
  double average() {
    for (int i=0; i<matches_played, i++) {
     total += scores[i];
  }
avg = (total/matches_played);
System.out.println("average score is "+avg);
  return avg;
}
```

```
}
class players {
  public static void main(String[] args) {
  play p1 = new play();
  play p2 = new play();
  p1.getdetails();
  double a = p1.average();
  p2.getdetails();
  double b = p2.average();
  if (a>b){
   System.out.println(p1.name + " has high average score");
  }
  else if(a==b){
     System.out.println("both the averages are equal");
  }
  else{
  System.out.println(p2.name + " has high average
    score");
  }
  }
}
```

Teacher's Signature : _____

(2)
```
import java.util.*;
class book{
  public string
bookid, booktitle, author, publisher;
 public  double price;
public  int no_of_pages, year_of_pub;
 void AcceptBookDetails(){
  Scanner in=new Scanner(System.in);
System.out.println("Enter bookid, booktitle, author & publisher
                  of book");
          bookid = in.next();
          booktitle = in.next();
          author = in.next();
          publisher = in.next();
  System.out.println("Enter no_of_pages, year_of_pub &
                      price");
   no_of_pages = in.nextInt();
    year_of_pub = in.nextInt();
    price = in.nextDouble();
    }
  void DisplayBookDetails(){
  System.out.println(bookid+"; "+booktitle+"; "+author+"; "+
                  publisher+"; "+year_of_pub+"; "+no_of_pages+
                "; "+price);
          }
        }
class AboutBook{
   public static void main(String[] args){
  Scanner in=new Scanner(System.in);
    int c=0;
   book b[] = new book[3];
```

```
for(int i=0; i<3; i++){
  b[i] = new book();
  b[i].AcceptBookDetails();
  }
for(int i=0; i<3; i++){
  b[i].DisplayBookDetails();
}
System.out.println("Enter Author Name");
String aut = in.next();
    for(int i=0; i<3; i++){
  if(b[i].author==aut){
  b[i].DisplayBookDetails();
  }
  }
double pric = b[0].price;
for(int i=0; i<3; i++){
 if(b[i].price>pric)
    pric = b[i].price;
  }
System.out.println("The most expensive price of book is"+pric);
  for(int i=0; i<3; i++){
  if(b[i].year_of_pub==2020)
    c++;
  }
System.out.println("no of books published in year 2020 -"+c);
  int page = b[0].no_of_pages;
  for(int i=0; i<3; i++){
  if(b[i].no_of_pages<page)
   page = b[i].no_of_pages;
}
```

Teacher's Signature : _____

```
System.out.println("no of pages in book with least
                    number of pages is " + page);
    {
}
```