```
1)
     emport gava, utel. ";
     class Player {
      Strong Ed;
      Strong name;
      out scores [];
      Ont no-matches-played;
      world accept ()
     Scanner 3= new Scanner (Systemion);
    System, aut prontln La Enter the Player details: ");
    System. aut. prontln (" ID:");
    id = 8. noxt ();
    System. aut. pronten (" rumber of matches played:");
     no-matches-played = s. nextInt();
     Scores = new out [no-matches-played];
     for Cont := 0; Ecno-matches-played; i++)
      System. aut. pronton ("Enter the score on match " + (8+1) + " :");
       Scores (8) = 8. nextlnt();
    used depeay ()
    System, aut, prontln (" Player details with greater average score:");
   System, aut. pasiter ("ID:" +8d);
    System, aut partle ("Name: "+name);
    System, out paster (" Number of matches played: "+ no- matches
                                                    - played);
    for (out &=0; Ecno-matches - played; E++)
    Lystem, aut . partln (" Swe on match "+ (E+1)+": " + 8cores [0]):
```

```
double caculate ()
 out sum = 0;
 for (ent ?= 0; [= no- matches - played; i++)
 Sum = Sum + Scores [E];
 3
 Return (dauble) Sum | no_ matches - played;
class Plymain E
public static noid main (Sibring 18 []) {
 player p1 = new Player ();
 p1. accept ();
 player p2 = new Player();
  p2. accept ();
  of (p1. calculate () > p2. (acculate())
  p1. desplay ();
  System. aut. prontin (4 Average score: 4 p1. calculate (1);
else
 p2, display ();
 System, aut. prontln (" Average store: " + p2, calculate());
```

```
2
    Empart gava. util. Scanner;
     daes Book
      prevate out id;
      provate Strong totle;
      provate out np;
      pascate ont ye;
      provate Strong auth;
       practe Strong pub;
       provate dauble p;
       noted get details ()
      Scanner 8= new Scanner (System. In);
      System, aut. prontln (" ENTER ID DF BOOK");
       Ed = 8. nextInt();
       System. aut. proutin (" ENTER THE TITLE OF BOOK");
        tette = 8, next ();
        System. aut pantln (" ENTER THE XUMBER OF PAGES OF BOOK");
          np=8. nextlnt();
        System. aut pronten (" ENTER YEAR OF PUBLISHING OFTHE BOOK");
          ye= 8, nextent ();
        System. aut, prontin (" ENTER AUTHOR OF BOOK");
          auth = sinext ();
         System. aut, prontint a ENTER PUBLISHER OF BOOK ");
          pub = s. next();
         Eystern, aut prontin (" ENTER PRICE OF BOOK ");
          p= s. next Dauble ();
         haid peontdetalls()
```

```
System. aut, pasit (" ID OF BOOK; "+Ed);
 System. aut. prontln ( UTHE TITLE OF BOOK; 4+ title);
 Eystem. aut. paint L" NUMBER OF PAGES OF BOOK: "+np);
 Eystem. aut. prontln (4 YEAR OF PUBLISHING DETHE BOOK " "tyri;
  System. aut. paorten (" PUBLISHER OF BOOK: "+ pub);
  System · aut · proutin ( " PRICE OF BOOK; "+p);
dauble proce ()
  Rotuen p;
 hated display book title ()
 System. aut. pronten (title);
Out year ()
out pages ()
Strong author ()
return auth;
```

```
class bookman
5
  public Static noid man ( Strong age [])
     But 00;
    Book 61 = new Book ();
     Book b2 = new Book ();
    Book b3 = new Book ();
     61. getdetails ();
    ba. getdetails ();
    b3. getdetails();
    System. aut, prontly (" ENTER THE DETAILS OF THE BOOK 1");
     62. pront details ();
     System. aut prantln (" ENTER THE DETAILS OF THE BOOK 2");
      ba, paint details ();
     System, aut. positin (" ENTER THE DETAILS OF THE BOOK 3");
     b3. past details ();
     ef (62, peace () >> bd, peace () 8$ 62. peace () > 2 63. peace ()
     System. aut. part (" THE MOST EXPENSIVE BOOK AS WITH TITLE: ");
      b1. display book title ();
     else y ( b2, price () >= b1. proce (188 b2, proce () >2 b3. proce ())
      Suptem, aut. paint (" THE MOST EXPENSIVE BOOK IS WITH TITLE:");
      ba, display book title ();
    Else.
```

```
System. aut : prent (" THE MOST EXPENSIVE BOOK IS WITH
                                 TITLE: ");
  63, desplaybook botte ();
 & ( bs. year() == 2020)
 C++;
 & (b2, year 1)=2 2020)
 C++;
 & (b3, year () == 2020)
  Cf+;
 Lystem, aut, petitlin (4 THE NUMBER OF BOOKS PUBLISHED
                              IN THE YEAR 2020 = # + C);
  & (b1. pages () = 2 b2. parce () &$ b1. parce () < 2 b3. parce ()
  System, aut, prohitin (" THE BOOK WITH LEAST NUMBER OF
                       PAGES IS BOOK 1").
    51 point details ();
  else if (bd. pages () +2 b2. pages () $$ b2. pages () <2 b3. pages ())
  Sugtem. aut. partle ( " THE BOOK WITH LEAST NUMBER
                         OF PAGES IS BOOK &h);
   ba pront details ();
System. aut. pronten Lu THE BOOK WITH LEAST NUMBER OF
                       PAGES IS BOOK 37):
 b3. prontdetails ();
 eduser
```

```
Bystom aut prently (" THE ENTER THE AUTHOR NAME WHOSE BOOK
                      DETAILS NEED TO BE DISPLAYED ");
    Scanner 312 new Scanner ( system. on);
    Strong auth 12 91. next();
of (auths. compare Totgnore (ase (b1. author()) =0)
 b1. providetails ();
 olse
of (auth). compare Tolgnore (ase (ba.author (1) ==0)
 61. pasitdetails();
                                                                       5
Ef (auth 2. compare Tolgmore (ase (b3. author (7) == 0)
 62. prontoletails();
 else
 System, aut, prontin (" THE GIVEN AUTHOR'S BOOK IS NOT FOUND");
```