Week-7 PlayerInher . Java import. java. util. Scanner; Class player & & private string name; private int matches played; private double average; void setdata () Scanner xx = new Scanner (System.in); System. out. println ("Enter the name of the player"); name = xx. nent(); xx. nentline(); System. out. println ('Enter the number of matches played by the player : "); matches_played = xx. nontIn(); Void setaverage (doublex) average =x int returnmatches played () return matches played;

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Void display average ()
System. out. pridla ("Enter the name of the student is:" + name
System.out.println ("The average of the player is: " + average );
class batsman extends Player 2
private int runs_scored[];
private intn;
Void setdatal ()
 setdata ();
Scanner XX= new Scanner (System. in);
n=neturnanatchesplayed();
runs_scored = now intel [n];
System. out. println ("Enter the runs scored,");
for Cint i=o; i<n; i++)
  System. out. println ("Enter the runs scored in "+ (1+1)+" match!)
 runs_scored[i]=xx.nentInt();
void caluclate average ()
   double temp=0;
                                                      classmate
```

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forlint i=0; i<n; i++)
 temp : temp + run_scored [i];
temp = temp/returnmat chesplayed ();
Setaverage (temp);
class bowler entends Player &
 private intruns scored [];
 private intn:
void set data ()
 set data (C)
(Scanner xx=new Scanner (system.in);
n=returnmatchesplayed ();
runs scored = new int[n];
System out printin ("Enter the runs given: ");
for (inti=o; i <n; i++)
System. out. println ("Enter the rune given in '+ (i+1)+ match: ");
 runs_scored [i] = xx.nentInt();
void caluclate average ()
```

classmate

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double temp = 0;
for (inti=o; i=n; i+t)
temp=temp+runs_scored [i];
temp = temp/refurmatches played ();
Sefavearage (temp);
public class player Inher &
public static void main (string args (3) }
intn,m;
System x x = new scanner (system. in);
system. out println ("Enter the number of batsman , ");
n = xx.nent Int();
batsman pl []: New batsman [n];
bowler pr []: now bowler [m].
System out printin ("Enterthe defails of the batsman: ");
for Cintieo; icn; itt)
 pl [i] = new batsman();
 pl [i] . setdatal ();
 plcis.coluclate average ();
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classmate

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System. out. println ("Enter the details of the bowders: ");
   for (inti=o; icm; itt)
   P2[i]: newbowler ();
   P2[i].setdatal();
  p2[i]. (aludate average ();
system.out.println ("The details of the batsman are: ");
  for Cintizo; icn; itt)
  pl [1]. displayaverage ();
System. out. println ("The details of the bonders are; ");
for (int i:o; icm; i++)
  p2[i].displayeraverage ();
```