Develop a Jana program to create a class PLAYER with member variables name, matches - played and anerage. This class has an abstractmethod cal- average (String int, int, int). Derive two classes BATSMAN from PLAYER. Class BATSMAN has a member wariable him - scored. Another class Bowler from PLAYER which has a wember variable rens-given. Calculate and duplay the average runs scored by each BATS MAN and average Runs given by each BOWLER. abstract class Player String name;
int matches\_played;
double average;
abstract uoid cal\_average (string n, inty, intz);
? Clas Bateman entends Player noid cal-average (String a, intb, intc) matches played = b; runs-ecored = c; System out println!" The average rem several

by player "+ name + "is:"+away!

? Clas Bouler extends Player int rune-given; noid cal durage (String p, intq, intr) manne = p;

matcher\_played = q;

querage = runs\_ginen / matches played;

System.out. println ("The anetage seems ginen

by player "+ name+" is "+ awarge); class Player Main Public statie noid main (String args []) int m, n, i;

Scanner n x = new Scanner (System.in);

System. out. println ("Enter no. of Batsman");

M = xx. nentInt();

Batsman & bt [] = new Batsman [m7;

Ja (i-o; i < m; i++)

S System. out. println ("Enter Setails of Batoman"+ (i+1)+":"); System. Out. printly ("Enterplayer nance:");

System. out. printly ("Enter no. of matches

System. out. printly ("Enter no. of matches

played:");

bt [i]. matches - played = xx. next Int();

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Date \_\_\_ /\_\_ /\_ System. out. printh ("Enter runs scored by Batsman:")
by [i]. ours scored = xx. nentInt(); pr (i=0; i < m; i++) bt [i]. cal-anerge (bt [i]. name, bt [i]. metcher
played, bt [i]. runs scored); System out printly ("Enter the no. of on = xxo nentInt (); new Boules [n]; bl [i] = new Boula (); System. out. println ("Enter Details of Bourles"+ System. out. println ("Enter player name: bl[i]. name = xx. nent(); System. out. perintly ("Enter no. bl Lis. natches-played = xx, next System. out. printly (" Enter runs jinen · runs-given = xx. nextInt (); for (i=0; i <n; i++) bl [i]. cal\_average (bl [i]. name, bl [i]. matcher\_played, bl [i]. rune-given);