

Week-7 (Extra Programs)

```
2.) import java.util.Scanner;
abstract class PLAYER {
    String name;
    int matches-played;
    double average;
    abstract void cal-average (String name, int mp,
                                int r);
}

class BATSMAN extends PLAYER {
    int runs-scored;
    void setRuns-Scored (int runs) {
        runs-scored = runs;
    }

    void cal-average (String playerName, int matchesPlayed,
                      int runsScored) {
        name = playerName;
        matches-played = matchesPlayed;
        average = (double) runsScored / matchesPlayed;
    }
}

class BOWLER extends PLAYER {
    int runs-given;
    void setRuns-Given (int runs) {
        runs-given = runs;
    }

    void cal-average (String playerName, int matchesPlayed,
                      int runsGiven) {
        name = playerName;
```

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```
for (int i=0; i < bowlers.length; i++) {  
    System.out.println ("Enter name of bowler "  
        + (i+1) + ": ");  
    name = sc.next();  
    System.out.println ("Enter matches played by  
        bowler " + (i+1) + ": ");  
    matches-played = sc.nextInt();  
    System.out.println ("Enter runs given: ");  
    runs = sc.nextInt();  
    bowlers[i] = new BOWLER();  
    bowlers[i].cal-average (name, matches-played,  
        runs);  
}
```

```
System.out.println ("DETAILS OF BATSMEN \n");  
for (int i=0; i < batsmen.length; i++) {  
    System.out.println  
    System.out.format ("%s has an average of  
        %.2f \n", batsmen[i].name,  
        batsmen[i].average);  
}
```

```
System.out.println ("DETAILS OF BOWLERS \n");  
for (int i=0; i < bowlers.length; i++) {  
    System.out.format ("%s has an average of %.2f  
        \n", bowlers[i].name, bowlers[i].average);  
}
```

}

}

}