

LAB8_ANP_C6339_ARRAYS

Due date: Friday, 10 November 2023, 5:30 AM

Maximum number of files: 1

Type of work: Individual work

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Assignment-1.

read and store student records with rollno, name, average marks of 10 students using arrays.

and display the same to user.

display the student list who are scored above 60 as average marks.

Solution:-

```
import java.util.Scanner;
```

```
public class StudentRecords {
```

```
    public static void main(String[] args) {
```

```
        // Declare arrays to store student records
```

```
        int[] rollNo = new int[10];
```

```
        String[] name = new String[10];
```

```
        float[] averageMarks = new float[10];
```

```
        // Read student records from user
```

```
        Scanner sc = new Scanner(System.in);
```

```
        System.out.println("Enter student records: ");
```

```
        for (int i = 0; i < 10; i++) {
```

```
            System.out.print("Enter roll no: ");
```

```
            rollNo[i] = sc.nextInt();
```

```
            System.out.print("Enter name: ");
```

```
            name[i] = sc.next();
```

```
            System.out.print("Enter average marks: ");
```

```

        averageMarks[i] = sc.nextFloat();
    }

    // Display student records
    System.out.println("\nStudent Records:");
    System.out.println("Roll No\tName\tAverage Marks");
    for (int i = 0; i < 10; i++) {
        System.out.println(rollNo[i] + "\t" + name[i] + "\t" + averageMarks[i]);
    }

    // Display student list who are scored above 60 as average marks
    System.out.println("\nStudent list who are scored above 60 as average marks: ");
    for (int i = 0; i < 10; i++) {
        if (averageMarks[i] > 60) {
            System.out.println(name[i]);
        }
    }
}
}
}
}
}

```

Output:

```
C:\Users\thila\OneDrive\Desktop\Anudip_Labs>javac StudentRecords.java
```

```
C:\Users\thila\OneDrive\Desktop\Anudip_Labs>java StudentRecords
```

```
Enter student records:
```

```
Enter roll no: 1
```

```
Enter name: abc
```

```
Enter average marks: 10
```

```
Enter roll no: 2
```

```
Enter name: def
```

```
Enter average marks: 20
```

```
Enter roll no: 3
```

```
Enter name: ghi
```

```
Enter average marks: 30
```

```
Enter roll no: 4
```

```
Enter name: jkl
```

```
Enter average marks: 40
```

```
Enter roll no: 5
```

```
Enter name: mno
```

```
Enter average marks: 50
```

```
Enter roll no: 6
```

```
Enter name: pqr
```

```
Enter average marks: 60
```

```
Enter roll no: 7
```

```
Enter name: stu
```

```
Enter average marks: 70
```

```
Enter roll no: 8
```

```
Enter name: vwx
```

```
Enter average marks: 80
```

```
Enter roll no: 9
```

```
Enter name: yza
```

```
Enter average marks: 90
```

```
Enter roll no: 10
```

```
Enter name: bcd
```

```
Enter average marks: 100
```

```
Student Records:
```

```
Roll No Name      Average Marks
```

```
1      abc      10.0
```

```
2      def      20.0
```

```
3      ghi      30.0
```

```
4      jkl      40.0
```

```
5      mno      50.0
```

```
6      pqr      60.0
```

```
7      stu      70.0
```

```
8      vwx      80.0
```

```
9      yza      90.0
```

```
10     bcd      100.0
```

```
Student list who are scored above 60 as average marks:
```

```
stu
```

```
vwx
```

```
yza
```

```
bcd
```
