

program 1:

Read and store student records with rollno,name,avrage marks of 10 students using arrays and display the same to user.
Display the list who are scored above 60 as average marks.

```
import java.util.Scanner;

public class StudentRecords
{
    public static void main(String[] args)
    {
        int[] rollno = new int[10];
        String[] name = new String[20];
        double[] avgmarks = new double[10];
        Scanner scanner = new Scanner(System.in);
        for(int i = 0;i < 10;i++)
        {
            System.out.println("enter details for student" +(i+1)+":");
            System.out.println("Rollno:");
            rollNo[i] = scanner.nextInt();
            scanner.nextLine();
            System.out.println("Name:");
            name[i] = scanner.nextLine();
            System.out.println("Average marks:");
            avgmarks[i] = scanner.nextDouble();
        }
        System.out.println("students with average marks above 60:");
        for(int i = 0;i < 10;i++)
        {
            if(avgmarks[i] > 60)
            {
                System.out.println("Rollno:" + rollno[i]);
                System.out.println("Name:" + name[i]);
                System.out.println("Average marks:" + avgmarks[i]);
            }
        }
        scanner.close();
    }
}
```

Output:

```
details for student 1:
Roll No: 01
Name: shravanthi
Average Marks: 90
Enter details for student 2:
Roll No: 02
Name: shravani
Average Marks: 95
```

Enter details for student 3:
Roll No: 03
Name: Shirisha
Average Marks: 50
Enter details for student 4:
Roll No: 04
Name: Shylu
Average Marks: 60
Enter details for student 5:
Roll No: 05
Name: sony
Average Marks: 70
Enter details for student 6:
Roll No: 06
Name: ashwini
Average Marks: 75
Enter details for student 7:
Roll No: 07
Name: Likitha
Average Marks: 59
Enter details for student 8:Roll No: 08
Name: Jyothi
Average Marks: 99
Enter details for student 9:
Roll No: 09
Name: Vimala
Average Marks: 57
Enter details for student 10:Roll No: 10
Name: babulu
Average Marks: 98
Students with average marks above 60:
Roll No: 1
Name: shravanthi
Average Marks: 90.0
Roll No: 2
Name: shravani
Average Marks: 95.0
Roll No: 5
Name: sony
Average Marks: 70.0
Roll No: 6
Name: ashwini
Average Marks: 75.0
Roll No: 8
Name: Jyothi
Average Marks: 99.0Roll No: 10
Name: babulu
Average Marks: 98.0