

1. CUBE

```
package test1;
import java.util.Scanner;
public class Cube{
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        double[] values = new double[10];
        double[] cubes = new double[10];
        for (int i = 0; i < 10; i++) {

            System.out.print("Enter value " + (i + 1) + ": ");
            values[i] = scanner.nextDouble();
            System.out.println("\nCubes of the input values:");

            for (int i = 0; i < 10; i++) {
                cubes[i] = Math.pow(values[i], 3); System.out.println("Value
" + values[i] + ": " + cubes[i]);
            }
        }
    }
}
```

OUTPUT:

```
Enter value 1: 4
Enter value 2: 2
Enter value 3: 5
Enter value 4: 6
Enter value 5: 7
Enter value 6: 8
Enter value 7: 12
Enter value 8: 15
Enter value 9: 14
Enter value 10: 10
```

Cubes of the input values:

Value 4.0: 64.0

Value 2.0: 8.0

Value 5.0: 125.0

Value 6.0: 216.0

Value 7.0: 343.0

Value 8.0: 512.0

Value 12.0: 1728.0

Value 15.0: 3375.0

Value 14.0: 2744.0

Value 10.0: 1000.0

2. STUDENT MARK AVERAGE CALCULATE

```
package test1;
public class Id {
    public void student() {
        int it=0,tt=0,et=0,mt=0;

        int id[]= {1,2,3,4,5,6,7,8,9,10};
        String name[]=
{"Ilakkiya","lavanaya","Nesa","Sadhana","Subha","Sadha","Pavithra"
,"Praveen","Pushparaj","Vignesh"};
        int tamil[]={89,99,55,65,78,76,83,81,90,78};
        int english[]={78,77,75,73,88,90,62,65,67,78};
        int maths[]={89,56,78,88,78,67,77,56,89,76};
        int total[]=new int[10];
        double average[]= new double[10];

        int length=id.length;
        length=name.length;
        length = tamil.length;
        length=english.length;
        length=maths.length;
```

```

        System.out.println("ID \tNAME \t\tTAMIL \t\tENGLISH
\tMATHS \t\tTOTAL \t\tAverage");
        for(int i=0;i<length;++i) {
            total[i]=tamil[i]+english[i]+maths[i];
            average[i]=total[i]/3;

System.out.println(id[i]+" \t"+name[i]+" \t\t"+tamil[i]+" \t\t"+english[i]
+" \t\t"+
            maths[i]+" \t\t"+total[i] + " \t\t"+average[i]);

        }

    }

    public static void main(String[] args) {
        Id i = new Id();
        i.student();

    }
}

```

ID	NAME	TAMIL	ENGLISH	MATHS	TOTAL	AVERAGE
1	Ilakkiya	89	78	89	256	85.0
2	lavanaya	99	77	56	232	77.0
3	Nesa	55	75	78	208	69.0
4	Sadhana	65	73	88	226	75.0
5	Subha	78	88	78	244	81.0
6	Sadha	76	90	67	233	77.0
7	Pavithra	83	62	77	222	74.0
8	Praveen	81	65	56	202	67.0
9	Pushparaj	90	67	89	246	82.0
10	Vignesh	78	78	76	232	77.0

3.ODD SUM AND EVEN SUM

```
package test1;
```

```
public class Sum {
```

```
public static void main(String[] args) {  
  
    int[] array = {1, 22, 34, 43, 52, 6, 7, 8, 29, 10, 11, 12, 13, 14, 15, 16,  
17, 18, 19, 20};  
  
    System.out.println("Array elements:");  
    for (int i = 0; i < array.length; i++) {  
        System.out.print(array[i] + " ");  
    }  
    System.out.println();  
  
    int evenSum = 0;  
    int oddSum = 0;  
    for (int i = 0; i < array.length; i++) {  
        if(array[i]%2==0) {  
            evenSum += array[i];  
        }  
        else {  
            oddSum += array[i];  
        }  
    }  
  
    System.out.println("Sum of elements at even indexes: " +  
evenSum);  
    System.out.println("Sum of elements at odd indexes: " +  
oddSum);  
}
```

OUTPUT:

Array elements:

1 22 34 43 52 6 7 8 29 10 11 12 13 14 15 16 17 18 19 20

Sum of elements at even indexes: 212

Sum of elements at odd indexes: 155