

## 1.AVERAGE

```
package test1;
import java.util.*;
public class Example1 {

    public static void main(String[] args) {
        int sum=0;
        double average;
        Scanner s = new Scanner(System.in);
        System.out.println("Enter array size:");
        int size = s.nextInt();
        int num[]=new int[size];
        System.out.println("Enter array values");

        for(int i=0;i<size;++i) {
            num[i]=s.nextInt();
        }
        int length =num.length;
        for(int i=0;i<num.length;++i) {
            sum+=num[i];
        }
        average=(double)sum/length;
        System.out.println("Average of array:"+ average);
    }
}
```

OUTPUT:

Enter array size:

5

Enter array values

1

2

3

4

5

Average of array:3.0

## 2. ALGORITHM BASED PROGRAM

```
package test1;
import java.util.Scanner;
public class Grade {
    public static void main(String [] args) {
        Scanner n = new Scanner(System.in);
        System.out.println("Enter a grade:");
        String grade =n.nextLine();
        System.out.println("Print a Grade:"+grade);
    }
}
```

Enter a grade:

g

Print a Grade:g

## 3. ALGORITHM BASED PROGRAM

```
package test1;

public class Grade {
    public static void main(String [] args) {
        char ch='A';
        char grade='A';
        if(grade==ch) {
            System.out.println("Print a Grade:"+grade);
        }else {
            System.out.println("Not match the grade.");
        }
    }
}
```

```
}  
}  
  
}
```

## **OUTPUT:**

Print a Grade:A