```java
import java.util.Scanner;

class StrRev {
    public static void main(String args[]) {
        String str,rev = "";
        Scanner read = new Scanner(System.in);
        System.out.print("Enter a string: ");
        str = read.nextLine();
        for(int i = str.length()-1; i>=0; i--) {
            rev = rev + str.charAt(i);
        }
        System.out.print("The reversed string is: " +rev);
    }
}

import java.util.Scanner;

class SecondSmall {
    public static void main(String[] args) {
        int n, min, temp;
        Scanner read = new Scanner(System.in);
        System.out.print("Enter the size of the array: ");
        n = read.nextInt();
        int a[] = new int[n];
        System.out.print("Enter array elements: ");
        for(int i = 0; i<n; i++) {
            a[i] = read.nextInt();
        }
        for(int i = 0; i<2; i++) {
            min = i;
            for(int j = i+1; j<n; j++) {
```

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            if(a[j]<a[min]) {

                min = j;

            }

        }

        if(min!=i) {

            temp = a[min];

            a[min] = a[i];

            a[i] = temp;

        }

    }

    System.out.println("The second smallest element in the array is " +a[1]);

  }

}


import java.util.Scanner;

class Prime {

    public static void main(String[] args) {

        int n, f = 0,i = 2;

        Scanner read = new Scanner(System.in);

        System.out.print("Enter a number: ");

        n = read.nextInt();

        while(i<(n/i)) {

            if(n%i == 0) {

                System.out.println("The given number is not a prime number.");

                f = 1;

                break;

            }

            i++;

        }

        if(f == 0) {
```

```java
                System.out.println("The given number is a prime number.");
        }
    }
}


import java.util.Scanner;

class Transpose {
    public static void main(String[] args) {
            int m, n;
            Scanner read = new Scanner(System.in);
            System.out.print("Enter the dimensions of the matrix: ");
            m = read.nextInt();
            n = read.nextInt();
            int a[][] = new int[m][n];
            int b[][] = new int[n][m];
            System.out.println("Enter the matrix elements: ");
            for(int i = 0; i<m; i++) {
                    for(int j = 0; j<n; j++) {
                            a[i][j] = read.nextInt();
                            b[j][i] = a[i][j];
                    }
            }
            System.out.println("The transpose of the given matrix is: ");
            for(int i = 0; i<m; i++) {
                    for(int j = 0; j<n; j++) {
                            System.out.print(b[j][i]+ " ");
                    }
                    System.out.println();
            }
    }
}
```

```java
}

import java.util.Scanner;

import java.lang.Math;


class Shape {

    double area(double l, double b) {

        return l*b;

    }

    double area(double a, double b, double c) {

        double s = (a+b+c)/2;

        return Math.sqrt(s*(s-a)*(s-b)*(s-c));

    }

    double area(double r) {

        return 3.1415*r*r;

    }

}


class MethodOverload {

    public static void main(String[] args) {

        double a, b, c, area;

        Shape obj = new Shape();

        Scanner read = new Scanner(System.in);

        System.out.print("Enter the radius of the circle: ");

        a = read.nextDouble();

        area = obj.area(a);

        System.out.println("The area of the circle is "+area);

        System.out.print("Enter the dimensions of the rectangle: ");

        a = read.nextDouble();

        b = read.nextDouble();

        area = obj.area(a,b);
```

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            System.out.println("The area of the rectangle is "+area);

            System.out.print("Enter the sides of the triangle: ");

            a = read.nextDouble();

            b = read.nextDouble();

            c = read.nextDouble();

            area = obj.area(a,b,c);

            System.out.println("The area of the triangle is "+area);

    }
}


import java.util.Scanner;

class Fib {
    void fib(int a, int b, int n) {
        if (n <= 0) {
            return;
        }
        else if(a+b == 0) {
            if(n>1) {
                System.out.print(a+" ");
                System.out.print(b+1+" ");
                fib(a, b+1, n-2);
            }
            else if(n == 1) {
                System.out.print(a+" ");
            }
            else {
                return;
            }
        }
        else {
```

```java
            System.out.print(a+b+ " ");

            fib(b, a+b, n-1);

        }

    }

}


class Fibonacci {

    public static void main(String[] args) {

        int n;

        Scanner read = new Scanner(System.in);

        Fib obj = new Fib();

        System.out.print("Enter the no of terms to be printed: ");

        n = read.nextInt();

        obj.fib(0,0,n);

    }

}
```