

```
import java.util.Scanner;

class Swap { ① vinayakpandeycode
    public static void main(String[] args) { ② vinayakpandeycode
        Scanner input = new Scanner(System.in);
        System.out.println("Welcome to Swapping Station\n\n");
        System.out.print("Enter value of A: ");
        int a = input.nextInt();
        System.out.print("Enter value of B: ");
        int b = input.nextInt();

        int c= a;
        a= b;
        b= c;

        System.out.println("Swapping Done....");
        System.out.println("Value of A is:" + a);
        System.out.println("Value of B is:" +b);
    }
}
```

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

```
class Triangle {  vinayakpandeycode
```

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

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

```
        System.out.println("Welcome to Area Calculator");
```

```
        System.out.print("Please enter the base in cm: ");
```

```
        double base = input.nextDouble();
```

```
        System.out.print("Now,enter the perpendicular in cms: ");
```

```
        double height = input.nextDouble();
```

```
        double area = 0.5 * base * height;
```

```
        System.out.println("Area of the Triangle: " + area + "cm");
```

```
    }
```

```
}
```

```
import java.util.Scanner;

class GreatestOfThree {  vinayakpandeycode
    public static void main(String[] args) {  vinayakpandeycode
        Scanner input = new Scanner(System.in);
        System.out.println("Welcome to The World of Three\n");
        System.out.print("Please enter your First Number: ");
        int first = input.nextInt();
        System.out.print("Now,enter your Second Number: ");
        int second = input.nextInt();
        System.out.print("Finally,enter your Third Number: ");
        int third = input.nextInt();

        if(first>=second && first>=third ) {
            System.out.println(first + "Is the Greatest Number");
        } else if(second>=third) {
            System.out.println(second + "Is the Greatest Number");
        } else {
            System.out.println(third +" Is the Greatest Number");
        }
    }
}
```

```
import java.util.Scanner;

class LeapYear {  👤 vinayakpandeycode
    public static void main(String[] args) {  👤 vinayakpandeycode
        Scanner input = new Scanner(System.in);
        System.out.println("Welcome to Leap Year Calculator\n");
        System.out.print("Please enter your year that you want to check: ");
        int year = input.nextInt();

        if(year % 4 == 0 || year % 400 == 0 && year % 100 !=0) {
            System.out.println("Your Year is Leap Year");
        }
        else {
            System.out.println("Your Year Is not Leap Year");
        }
    }
}
```

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

```
class Grade {  vinayakpandeycode
```

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

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

```
        System.out.println("Welcome to Grade Calculator\n");
```

```
        System.out.print("Please enter your Percentage: ");
```

```
        float percentage = input.nextFloat();
```

```
        if (percentage >= 90) {
```

```
            System.out.println("Great, You have Got A");
```

```
        } else if (percentage >= 75) {
```

```
            System.out.println("Good, You have Got B");
```

```
        } else if (percentage >= 60) {
```

```
            System.out.println("You have Got C , Work harder next time");
```

```
        } else if (percentage >= 30) {
```

```
            System.out.println("You have Got D, Seriously Need to Work harder");
```

```
        } else {
```

```
            System.out.println("You hav Got F, You are Fail");
```

```
        }
```

```
import java.util.Scanner;

class AgeCalculator {  👤 vinayakpandeycode
    public static void main(String[] args) {  👤 vinayakpandeycode
        Scanner input = new Scanner(System.in);
        System.out.println("Welcome to Age Calculator\n");
        System.out.print("Please enter your age");
        int age = input.nextInt();

        if(age>=65) {
            System.out.println("You are Senior Citizen");
        } else if(age>=20){
            System.out.println("You are Adult");
        } else if (age>=13) {
            System.out.println("You are teenager");
        } else {
            System.out.println("You are Child");
        }
    }
}
```



```
import java.util.Scanner;

class BitwiseAnd {  👤 vinayakpandeycode
    public static void main(String[] args) {  👤 vinayakpandeycode
        Scanner input = new Scanner(System.in);
        System.out.println("Welcome to Bitwise And Operator\n");
        System.out.print("Please enter your first number: ");
        int first = input.nextInt();
        System.out.print("Now,enter your second number ");
        int second = input.nextInt();

        int result = first & second;
        System.out.println("Result is: " + result);

    }
}
```

```
import java.util.Scanner;

class BitwiseOR {  👤 vinayakpandeycode
    public static void main(String[] args) {  👤 vinayakpandeycode
        Scanner input = new Scanner(System.in);
        System.out.println("Welcome to Bitwise OR Operator\n");
        System.out.print("Please enter the first number:");
        int first = input.nextInt();
        System.out.print("Please enter the second number:");
        int second = input.nextInt();

        int result = first | second;
        System.out.println("Result is: " + result );
    }
}
```



```
import java.util.Scanner;

class BitwiseXOR {  👤 vinayakpandeycode
    public static void main(String[] args) {  👤 vinayakpandeycode
        Scanner input = new Scanner(System.in);
        System.out.println("Welcome to Bitwise XOR Operator\n");
        System.out.print("Please enter the first number:");
        int first = input.nextInt();
        System.out.print("Now,enter the second number:");
        int second = input.nextInt();

        int result = first ^ second;
        System.out.println("Result is:" + result);
    }
}
```

```
import java.util.Scanner;

class BitwiseCompliment {  👤 vinayakpandeycode
    public static void main(String[] args) {  👤 vinayakpandeycode
        Scanner input =new Scanner(System.in);
        System.out.println("Welcome to Bitwise Compliment Operator\n");
        System.out.print("Please enter the  number:");
        int num = input.nextInt();

        int result = ~num;
        System.out.println("Result is:" + result);

    }
}
```

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

```
class LeftShift {  👤 vinayakpandeycode  
    public static void main(String[] args) {  👤 vinayakpandeycode  
        Scanner input = new Scanner(System.in);  
        System.out.println("Welcome to Left Shift Operator\n");  
        System.out.print("Please enter the number:");  
        int num = input.nextInt();  
  
        int result = num << 2;  
        System.out.println("Result is:" + result);  
    }  
}
```

```
import java.util.Scanner;

class RightShift {  👤 vinayakpandeycode
    public static void main(String[] args) {  👤 vinayakpandeycode
        Scanner input = new Scanner(System.in);
        System.out.println("Welcome to Right Shift Operator\n");
        System.out.print("Please enter the number:");
        int num = input.nextInt();

        int result = num>>4;
        System.out.println("Result is:" + result);
    }
}
```

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

```
class Subscribe {  vinayakpandeycode  
    public static void main(String[] args) {  vinayakpandeycode  
        Scanner input = new Scanner(System.in);  
        System.out.println("Welcome to Printing World");  
        System.out.print("Please Subscribe my channel\n");  
        System.out.println("KG" + "Coding");  
    }  
}
```