

## LAB 3

1 . Write a Java program to check whether a given number is even or odd.

Code:

```
package hellow;

import java.util.Scanner;

public class EvenODD{
    public static void main(String[] args) {

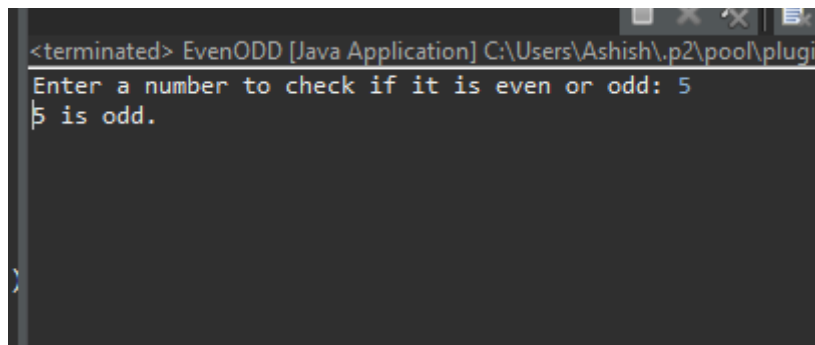
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter a number to check if it is even or odd: ");
        int a = scanner.nextInt();

        if (a % 2 == 0) {
            System.out.println(a + " is even.");
        } else {
            System.out.println(a + " is odd.");
        }

    }
}
```

Output:



2) Find larger number from user input

code:

```
package hellow;
import java.util.Scanner;
class NumberComparer {
    public int findGreatest(int a, int b) {
        if (a > b) {
            return a;
        } else {
            return b;
        }
    }
}
```

```

public class FirstCLASS {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        NumberComparer comparer = new NumberComparer();

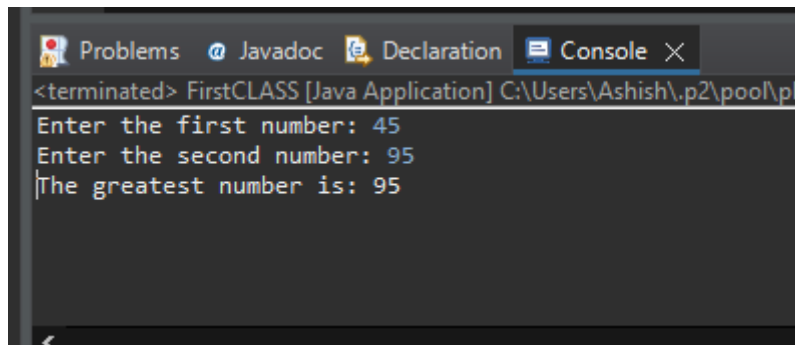
        System.out.print("Enter the first number: ");
        int number1 = scanner.nextInt();

        System.out.print("Enter the second number: ");
        int number2 = scanner.nextInt();

        int greatest = comparer.findGreatest(number1, number2);
        System.out.println("The greatest number is: " + greatest);
    }
}

```

Output:



```

Problems Javadoc Declaration Console X
<terminated> FirstCLASS [Java Application] C:\Users\Ashish\p2\pool\pl
Enter the first number: 45
Enter the second number: 95
The greatest number is: 95

```

3. Write a java program that takes age as input from user and determines if they are eligible for voting (consider legal voting age).

Code:

```

package hellow;
import java.util.Scanner;

public class FirstCLASS {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter your age: ");

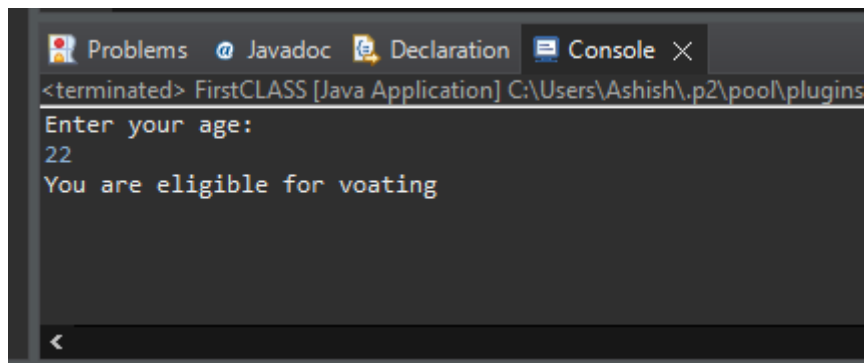
        int age = sc.nextInt();

        if (age == 18) {
            System.out.println("make your voter id you can vote");
        }
        else if (age < 18) {
            System.out.println("You are not eligible for voting");
        }
        else if (age > 18) {
            System.out.println("You are eligible for voting");
        }
        else {
            System.out.println("enter valid value");
        }
    }
}

```

```
    sc.close();  
}  
}
```

Output:



```
<terminated> FirstCLASS [Java Application] C:\Users\Ashish\.p2\pool\plugins  
Enter your age:  
22  
You are eligible for voating
```