

### 1)Even or Odd:

```
public class Ex {  
    public boolean isEven(int num){  
        if(num%2==0){  
            return true;  
        }  
        else{  
            return false;  
        }  
    }  
    public static void main(String args[]){  
        Ex obj=new Ex();  
        boolean result=obj.isEven(5);  
        if(result){  
            System.out.println("even number");  
        }  
        else{  
            System.out.println("odd number");  
        }  
    }  
}
```

### 2)Positive or Negative:

```
public class Number {  
    public String checkNumber(int num){  
        if(num>0){  
            return "positive";  
        }  
        else{  
            return "Negative";  
        }  
    }  
    public static void main(String args[]){  
        Number obj=new Number();  
        System.out.println(obj.checkNumber(-65));  
    }  
}
```

### 3)Largest of Three Numbers:

```
public class largestofThreeNumbers {  
    public String findLargest(int a, int b, int c){  
        if((a>b)&&(a>c)){  
            return "A is largest";  
        }  
    }  
}
```

```

        else{
            if((b>c)&&(b>a)){
                return "B is largest";
            }
            else{
                return "C is largest";
            }
        }
    }
}

public static void main(String args[]){
    largestofThreeNumbers obj=new largestofThreeNumbers();
    System.out.println(obj.findLargest(24,56,34));
}
}

```

#### 4)Eligibility to Vote:

```

public class Vote {
    public String toVote(int age){
        if(age>=18){
            return "Eligible to vote";
        }
        else{
            return "Not eligible to vote";
        }
    }
}

public static void main(String args[]){
    Vote v=new Vote();
    System.out.println(v.toVote(25));
}
}

```

#### 5)Divisibility by 5 and 11:

```

public class Divisibility {
    public String isDivisible(int num){
        if((num%5==0)&&(num%11==0)){
            return "divisible";
        }
        else{
            return "not divisible";
        }
    }
}

public static void main(String args[]){
    Divisibility obj=new Divisibility();
    System.out.println(obj.isDivisible(24));
}

```

```
}  
}
```

## 6)Vowel or Not:

```
public class Vowel {  
    public String isVowel(char ch){  
        if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u') {  
            return "vowel";  
        } else {  
            return "not vowel";  
        }  
    }  
}  
public static void main(String args[]){  
    Vowel obj=new Vowel();  
    char d='x';  
    System.out.println(obj.isVowel(d));  
}  
}
```