

Logic-1: specialEleven

We'll say a number is special if it is a multiple of 11 or if it is one more than a multiple of 11. Return true if the given non-negative number is special. Use the % "mod" (remainder) operator.

```
public boolean specialEleven(int n) {  
}
```

Step 1

Declare a variable of the same type as the return type of the method. Call the variable **special**. Initialize **special** to false.

```
public boolean specialEleven(int n) {  
    boolean special = false;  
    return special;  
}
```

Step 2

The question asks us to return true if n is *a multiple of 11*. This means that, if you divide the number by 11, the remainder will be zero.

```
public boolean specialEleven(int n) {  
    boolean special = false;  
    if (n % 11 == 0) {  
        special = true;  
    }  
    return special;  
}
```

Step 3

However, the question also asks us to return true if n is *one more than a multiple of 11*. This means that, if you divide the number by 11, the remainder will be 1.

```
public boolean specialEleven(int n) {  
    boolean special = false;  
    if (n % 11 == 0) {  
        special = true;  
    }  
    if (n % 11 == 1) {  
        special = true;  
    }  
    return special;  
}
```