

```
let a=2016;
if(a%100==0){
    if(a%4==0){
        console.log("Leap Year");
    }
}
else{
    console.log("Not a leap year");
}
```

```
let a = 3;
let b = 3;
let c = 4;
if (a == b && b == c) {
    console.log("Equilateral Triangle");
} else if (
    a ** 2 + b ** 2 == c ** 2 ||
    c ** 2 + b ** 2 == a ** 2 ||
    a ** 2 + c ** 2 == b ** 2
) {
    console.log("Right angled Triangle");
} else if (a == b || b == c || c == a) {
    console.log("Isosceleus Triangle");
} else if ((a != b && b != c) || c != a) {
    console.log("Scalene Triangle");
} else if (a == 0 || b == 0 || c == 0) {
    console.log("Invalid Triangle");
}
```

```
var n=32;
if(n%17==0)
```

```
    console.log("Divisible by 17");  
else  
    console.log("Not divisible by 17");
```

```
var n=-2;  
if(n>0)  
    console.log("Positive Number");  
else if(n<0)  
    console.log("negative number");  
else  
    console.log("Zero");
```

```
var a=3;  
var b=2;  
var c=4;  
if(  
    (b>a && a>c) ||  
    (c>a && a>b)  
)  
    console.log("a is between b and c");  
}  
else  
    console.log("a is not between b and c");
```

```
var a = 5;  
var b = 2;  
var c = 4;  
if (a > b && a > c) console.log("max is a");  
else if (b > a && b > c) console.log("max is b");  
else console.log("max is c");
```

```
if (a < b && b < c) console.log("min is a");  
else if (b < c && b < a) console.log("min is b");  
else console.log("min is c");
```

```
var x = 2;  
var y = -2;  
if (x > 0 && y > 0) console.log("1st quadrant");  
else if (x < 0 && y > 0) console.log("2nd quadrant");  
else if (x < 0 && y < 0) console.log("3rd quadrant");  
else if (x > 0 && y < 0) console.log("4th quadrant");  
else if (x == 0) console.log("Y-axis");  
else if (y == 0) console.log("X-axis");  
else console.log("origin");
```

```
let age = 18;  
if (age >= 18) console.log("you can vote");  
else console.log("you can't vote");
```

```
let n = 35;  
if (n % 5 == 0) {  
  if (n % 7 == 0) {  
    console.log("No. is divisible by both 5 and 7");  
  } else {  
    console.log("No. is divisible by 5 but not 7");  
  }  
} else {  
  if (n % 7 == 0) {  
    console.log("No. is divisible by 7 but not by 5");  
  } else {  
    console.log("No. is not divisible by 5 and 7");  
  }  
}
```

