

- JavaScript function

```
> function newStudent(){  
    console.log("New student is added to the system.");  
}
```

```
< undefined
```

```
> newStudent();
```

```
New student is added to the system.
```

```
< undefined
```

```
>
```

- Pass an argument to the function

```
> var name = "John";  
    function newStudent (x){  
        console.log("New student " + x + " is added to the system.");  
    }
```

```
< undefined
```

```
> newStudent(name);
```

```
New student John is added to the system.
```

```
< undefined
```

- Conditional statements

```
> var name = "Hanna";  
    if (name == "John"){  
        console.log("Student name is " + name);  
    } else{  
        console.log("It's a different student. His/her name is " + name + ".");  
    }
```

```
It's a different student. His/her name is Hanna.
```

```
< undefined
```

```
> var name = "John";  
    if (name == "John"){  
        console.log("Student name is " + name);  
    } else{  
        console.log("It's a different student. His/her name is " + name + ".");  
    }
```

```
Student name is John
```

```
< undefined
```

- If-elseif-else statement.

```
var name = "Andrea";  
//if else statement  
if (name == "John"){  
    console.log("Student name is " + name);  
} else if (name == "Hanna"){  
    console.log("It's a different student. His/her name is " + name);  
} else if (name == "Michael"){  
    console.log("It's a new student. His/her name is " + name);  
} else if (name == "Julie"){  
    console.log("It's a returning student. His/her name is " + name);  
} else{  
    console.log("Sorry, no student by the name of " + name + " exist.");  
}
```

Sorry, no student by the name of NaN exist.

- If-else statement that test more than one condition at the same time.

```
> var doorlocked = true;  
var alarmon = false;  
// Example 1: Using &&  
if ((doorlocked == true) && (alarmon == true)){  
    console.log("House secured");  
} else{  
    console.log("House is not secured");  
}
```

House is not secured

- Second example uses the or (||)

```
> var doorlocked = true;  
var alarmon = false;  
// Example 1: Using ||  
if ((doorlocked == true) || (alarmon == true)){  
    console.log("House secured");  
} else{  
    console.log("House is not secured");  
}
```

House secured

- What if the values of both variables are reversed?

```
> var doorlocked = false;
var alarmon = true;
// Example 1: Using ||
if ((doorlocked == true) || (alarmon == true)){
    console.log("House secured");
} else{
    console.log("House is not secured");
}
```

House secured

- Switch statement: Switch works similarly to the if-elseif-else statement.

```
> var name = "Brent";

//Switch statement
switch(name){
    case 'John': //if (name == 'John')
        console.log("Student name is " + name);
        break;
    case 'Hanna': //if (name == 'Hanna')
        console.log("It's a different student. His/ her name is " + name);
        break;

    default:
        console.log("No such student name exist");
}
```

No such student name exist