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# Python VS JS

| DEFINING VARIABLES | |
|---|---|
| Python | JS |
| `num1 = 5`<br>`name = "Preeti"` | `var num1 = 5`<br>`var name = "Preeti"` |

| DATA TYPES | | | |
|---|---|---|---|
| Python | | JS | |
| • str | “Preeti” | • string | “Preeti” |
| • int<br>• folat | 5<br>5.5 | • number | 5<br>5.5 |

| CHECKING TYPE OF A VARIABLE | |
|---|---|
| Python | JS |
| `type(num1)` | `typeof(num1)` |

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| PRINTING A MESSAGE | |
|---|---|
|  |  |
| `print("Is is a number:", num1)` | `console.log("Is is a number:", num1)` |

| ADDING A COMMENT | |
|---|---|
|  |  |
| `# It a Python Comment` | `//It is JavaScript Comment` |

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| MATHEMATICAL OPERATIONS | | | |
|---|---|---|---|
|  | |  | |
| • Addition (+) | 5 + 5 | • Addition (+) | 5 + 5 |
| • Subtraction(-) | 5 - 5 | • Subtraction(-) | 5 - 5 |
| • Multiplication(*) | 5 * 5 | • Multiplication(*) | 5 * 5 |
| • Division( / ) | 5 / 5 | • Division( / ) | 5 / 5 |
| • Modulus( %) | 5 % 5 | • Modulus( %) | 5 % 5 |

| LOGICAL OPERATIONS | |
|---|---|
|  |  |
| `and` | `&&` |
| `or` | `\|\|` |

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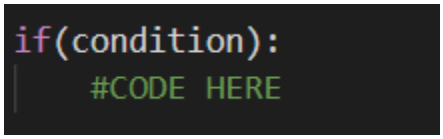
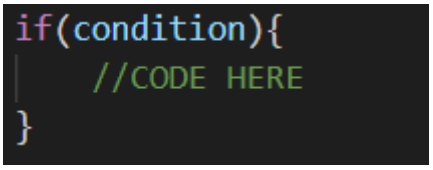
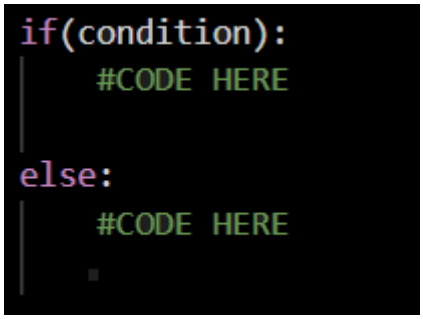
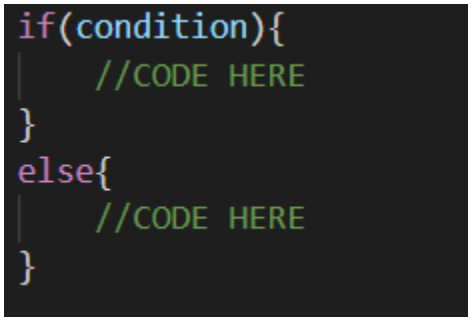
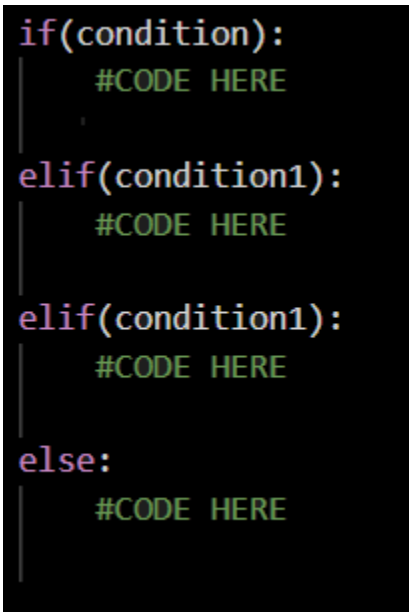
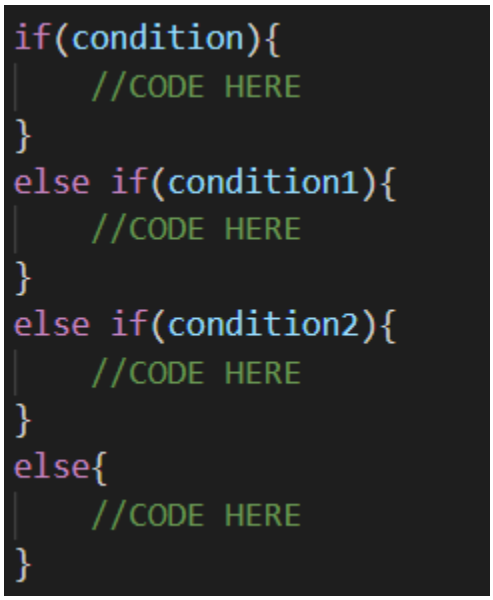
## CONDITIONAL STATEMENT

| Python | JS |
| --- | --- |
|  |  |
|  |  |
|  |  |

```
if(condition):
    #CODE HERE
```

```
if(condition){
    //CODE HERE
}
```

```
if(condition):
    #CODE HERE

else:
    #CODE HERE
```

```
if(condition){
    //CODE HERE
}
else{
    //CODE HERE
}
```

```
if(condition):
    #CODE HERE

elif(condition1):
    #CODE HERE

elif(condition1):
    #CODE HERE

else:
    #CODE HERE
```

```
if(condition){
    //CODE HERE
}
else if(condition1){
    //CODE HERE
}
else if(condition2){
    //CODE HERE
}
else{
    //CODE HERE
}
```

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| FUNCTIONS | |
|---|---|
|  |  |
| `def function_name(parameters):`<br>`    print("")` | `function functionName(parameters) {`<br><br>`}` |