

```

1  /***** 10_IF-STATEMENTS__COMPARISION-OPERATORS *****/
2
3  /**
4   * COMPARISION OPERATORS:
5   * '=' --> Equality Operator
6   * '!=' --> Not Equal To
7   * '===' --> Equality Operator {Check Type along with value}
8   * '!==' --> Not Equal To {Check Type along with value}
9   * '>=' --> Greater Than Equal To
10  * '<=' --> Less Than Equal To
11  * '>' --> Greater Than
12  * '<' --> Less Than
13  */
14
15 /**
16  * If (something) {
17  *   do something;
18  * } else {
19  *   do something else
20  * }
21  */
22
23 // Equal To
24 const id = 100;
25
26 if (id === 100) {
27   console.log('CORRECT');
28 } else {
29   console.log('INCORRECT');
30 }
31
32 // Not Equal To
33 if (id !== 100) {
34   console.log('CORRECT');
35 } else {
36   console.log('INCORRECT');
37 }
38
39 // Test if undefined
40 if (typeof job === 'undefined') {
41   console.log('No Job is there');
42 } else {
43   console.log(`Job: ${job}`)
44 }
45
46 // Greater OR Less Than
47 if (id > 100) {
48   console.log('Greater Than 100')
49 } else {
50   console.log('Less Than or equal to 100')
51 }
52
53 /**
54  * if (something) {
55  *   do something;
56  * } else if (something) {
57  *   do something;
58  * } else if (something) {
59  *   do something;
60  * } else {

```

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61  * do something default;
62  * }
63  */
64  const day = 'Fri';
65  if (day.toLowerCase().includes('mon')) {
66      console.log("It's Monday")
67  } else if (day.toLowerCase().includes('tue')) {
68      console.log("It's Tuesday");
69  } else if (day.toLowerCase().includes('wed')) {
70      console.log("It's Wednesday");
71  } else if (day.toLowerCase().includes('thu')) {
72      console.log("It's Thursday");
73  } else if (day.toLowerCase().includes('fri')) {
74      console.log("It's Friday");
75  } else if (day.toLowerCase().includes('sat')) {
76      console.log("It's Saturday");
77  } else if (day.toLowerCase().includes('sun')) {
78      console.log("It's Sunday");
79  } else {
80      console.log("Invalid Parameter");
81  }
82
83
84  /**
85   * LOGICAL OPERATORS:
86   * --> '&&' --> AND Operator {True, True}
87   * --> '||' --> OR Operator {True, False}, {False, True}
88   */
89
90  const age = 17;
91
92  // AND
93  if (age > 0 && age < 12) {
94      console.log("Child");
95  } else if (age > 12 && age <= 19) {
96      console.log("Teenager");
97  } else {
98      console.log("Adult");
99  }
100
101  // OR
102  if (age < 16 || age > 65) {
103      console.log("Cannot Run In Race")
104  } else {
105      console.log("Can Race")
106  }
107
108  /**
109   * Ternary Operators:
110   * --> condition ? Evaluate if TRUE : Evaluate if False
111   */
112  console.log(id === 100 ? 'CORRECT' : 'INCORRECT');
113
114  /**
115   * Without Braces {Only One Statement}
116   */
117  if (id === 0)
118      console.log('CORRECT');
119  else
120      console.log('INCORRECT');

```