✓ **Congratulations! You passed!**

Grade received 100%　**To pass** 80% or higher

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1. Based on the following code, what will print out when the variable i has the value 3 ?

　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　1 / 1 point

```
1
2    if(i < 5) {
3        console.log("Hello");
4    } else {
5        console.log("Goodbye");
6    }
7
```

◉ Hello

○ Goodbye

✓ **Correct**
That's correct! The code inside the if statement will execute because the condition i < 5 is true.

---

2. Based on the following code, what will print out when the variable i has the value 1 ?

　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　1 / 1 point

```
1
2    if(i == 0 && i == 1) {
3        console.log("Hello");
4    } else {
5        console.log("Goodbye");
6    }
7
```

○ Hello

◉ Goodbye

✓ **Correct**
That's correct! The condition checks if i is equal to 0 AND 1. Since it is not possible for i to be both values at the same time, the result of this check is false. Therefore, the code inside the else statement will run.

---

3. How many times will the following code print the word 'Hello'?

　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　1 / 1 point

```
1
2    for (i = 0; i < 2; i++) {
3        console.log("Hello");
4    }
5
```

○ 1

◉ 2

○ 3

○ 4

✓ **Correct**
That's correct! The loop will run twice based on the condition i < 2.

---

4. How many times will the following code print the word 'Hello'?

　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　1 / 1 point

```
1
2    var i = 0;
3    while(i < 3) {
4        console.log("Hello");
5        i++;
6    }
```

○ 1

○ 2

◉ 3

○ 4

✓ **Correct**

That's correct! The loop will run 3 times based on the condition `i < 3`.

---

5. How many times will the following code print the word 'Hello'?

`1 / 1 point`

```
1
2    for (i = 0; i < 2; i++) {
3        for (var j = 0; j < 3; j++) {
4            console.log("Hello");
5        }
6    }
7
```

○ 2

○ 3

○ 4

◉ 6

✓ **Correct**

That's correct! The inner loop will be run twice by the outer loop. Since the inner loop runs 3 times, the `console.log` will be called 6 times in total.

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6. Based on the following code, what will print out when the variable `i` has the value `7` ?

`1 / 1 point`

```
1
2    if(i <= 5) {
3        console.log("Hello");
4    } else if(i <= 10) {
5        console.log("Goodnight");
6    } else {
7        console.log("Goodbye");
8    }
9
```

○ Hello

◉ Goodnight

○ Goodbye

✓ **Correct**

That's correct! The code inside the else if statement will execute. The first condition fails because the value of `i` is greater than 5. The second condition succeeds because the value of `i` is less than 10.

---

7. Based on the following code, what will print out when the variable `i` has the value `3` ?

`1 / 1 point`

```
1
2    switch(i) {
3        case 1:
4            console.log("Hello");
5            break;
6        case 2:
7            console.log("Goodnight");
8            break;
9        case 3:
10           console.log("Goodbye");
11           break;
12    }
13
```

○ Hello

○ Goodnight

○ ~~Goodnight~~

◉ Goodbye

✓ **Correct**
That's correct! The code for case 3 will run.

---

8. Based on the following code, what will print out when the variable i has the value 3 ?

1/1 point

```
1
2    if(i == 2 || i == 3) {
3      console.log("Hello");
4    } else {
5      console.log("Goodbye");
6    }
7
```

◉ Hello

○ Goodbye

✓ **Correct**
That's correct! The condition checks if i is equal to 2 OR 3. Since the value of i is 3, the code inside the if statement will run.