**Chapter No 2**

**Self-check quiz**

1. What data type is the following variable?

const c = "5";

**Answer**: string

2. What data type is the following variable?

const c = 91;

**Answer**: number.

3. Which one is generally better, line 1 or line 2?

let empty1 = undefined; //line 1

let empty2 = null; //line 2

**Answer**: line 2

4. What is the console output for the following?

let a = "Hello";

a = "world";

console.log(a);

**Answer**: world.

5. What will be logged to the console?

let a = "world";

let b = `Hello ${a}!`;

console.log(b);

**Answer**: Hello world!

6. What is the value of a?

let a = "Hello";

a = prompt("world");

console.log(a);

**Answer**: The value of a will be the value entered by the user.

7. What is the value of b output to the console?

let a = 5;

let b = 70;

let c = "5";

b++;

console.log(b);

**Answer**: The value of b output to the console will be 71.

8. What is the value of result?

let result = 3 + 4 \* 2 / 8;

**Answer**: The value of result is 4.

9. What is the value of total and total2?

let firstNum = 5;

let secondNum = 10;

firstNum++;

secondNum--;

let total = ++firstNum + secondNum;

console.log(total);

let total2 = 500 + 100 / 5 + total--;

console.log(total2);

**Answer**: The value of total is 17 and The value of total2 is 536

10. What is logged to the console here?

const a = 5;

const b = 10;

console.log(a > 0 && b > 0);

console.log(a == 5 && b == 4);

console.log(true ||false);

console.log(a == 3 || b == 10);

console.log(a == 3 || b == 7);

**Answer**:

Output:

true

false

true

true

false