1. What will be the output of running following code?

console.log (Number(null));

console.log (Number(undefined));

console.log (Boolean ("0"));

console.log (Boolean (" "));

Output:

0

Nan

True

true

2. What will be the output of running following code?

let a = b = 2;

let c = 3 - (a + b + 1); 3 – (2 + 2 + 1) 3 -5 -2

console.log(a--);

console.log(++c);

console.log(a);

console.log(c);

Output:

2

-1

1

-1

3. What is the significance of + operator before prompt function in following code?

let a = +prompt("First number?");

convert the input to a number or NaN.

4. What is the use of !! and ?? operators in JavaScript? Explain with an example of each.

! operator means not, which return the opposite result of the expression. For example,

Let x = 1, y = 5;

!(x==y); this expression will return true. Because x is not equal y.

? operator used to assignment value to a variable according to the result of an expression.

Let z = !(x==y) ? 3: 5;

This means if x not y then assign 3 to variable z. Else, sign 5 to variable z.

5. Which of the following statements is true?

a. In computer programming, a statement can be part of an expression. (False)

b. In computer programming, an expression can be a part of a statement. (True)