

## Assignment (15-7-2020)

**Question-1 : Write a JS code to take the input from the user and display on the console.**

**Code -----**

```
<!DOCTYPE html>
<html>
<head>
    <title>Question 1</title>
</head>
<body>
    <script type="text/javascript">
        var a = prompt("Input");
        console.log(a);
    </script>
</body>
</html>
```

**Question – 3 : Ask the user if he is 21+ and log the value as “Can Drink” or “Cannot Drink”.**

**Code -----**

```
<!DOCTYPE html>
<html>
<head>
    <title>Question - 3</title>
</head>
<body>
    <script type="text/javascript">
        var input = prompt("Enter your age");
        console.log("Your age : " +input);
    </script>
</body>
</html>
```

```

        if(input>=21){
            console.log("Can Drink");
        }
        else{
            console.log("Cannot Drink");
        }
    </script>
</body>
</html>

```

## Question-2 : Explain the remaining methods of String and Array *data type*.

### Solution-----

**String** : *var a = “ How are you doing? ”;*

1. console.log(a.**valueOf**()); : Returns the value of the string.( *How are you doing?*)
2. console.log(a.**trim**(“ ”)); : Returns the string with removed white spaces. .( *How are you doing?*)
3. console.log(a.**toUpperCase**()); : Returns the string with all capital letters. (HOW ARE YOU DOING)
4. console.log(a.**toLowerCase**()); : Returns the string with all small letters. (how are you doing)
5. . console.log(a.**toString**()); : Returns the value of the string object.( *How are you doing?*)
6. console.log(a.**startsWith**(“*How*”)); - true , console.log(a.**endsWith**(“*How*”)); - false, console.log(a.**includes**(“*are*”)) - true; : Returns the Boolean value.
7. console.log(a.**substring**(0,5)); – How a ; Extracts the characters between the indexes of string.
8. console.log(a.**split**(“*are*”)); - Splits into an array of substring. (How you doing)
9. console.log(a.**slice**(0,5)) ; - Returns the extracted characters between the substring in a new string.
10. console.log(a.**search**(“*are*”)); - Returns the index of value (starting alphabet) – 4
11. console.log(a.**replace**(“*are you*”, “*am I*”)); : Returns the replaced string (How am I doing)
12. console.log(a.**repeat**(2)); - Returns the repeated string with the given value.( How are you doingHow are you doing)

13. console.log(a.**charAt**(2)) – w : returns the alphabet at the position.

14. console.log(a.**concat**("Jack")); Returns the joined string. (How are you doing Jack)

**Array :** var a = ["How", "are", "you", "doing"];

1. console.log(a.**length**) – 4 : Returns the length of the elements in an array.

2. console.log(a.**concat**("Jack")); - Returns the joined string. (How are you doing Jack)

3. console.log(a.**sort**()) – Returns the elements in an array in a sorted way. ( ["How", "are", "doing", "you"])

4. console.log(a.**unshift**("Hey")) – 5; – Adds the string at the start position of an array.

5. console.log(a.**shift**()) – Removes the first element in an array.

6. console.log(a.**fill**("Hi")); - Fills the array with the specified input. ["Hi", "Hi", "Hi", "Hi"]

7. console.log(a.**pop**()); - doing : Removes the last element of an array and returns the element.

8. console.log(a.**push**("John")); - 5 : Adds the element at the end of an array and returns the length of an array.