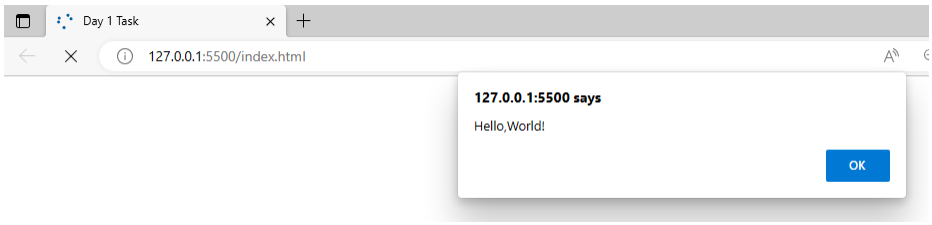
MERN STACK DAY 1 : TASKS

Task 1:

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Day 1 Task</title>
</head>
<body>
    <script>
alert('Hello,World!');
</script>
</body>
</html>
```

Output:



Task 2:

Datatypes → (INT,STRING,BOOLEAN,BIGINT,OBJECT)

```
> let a=10
  a
  10
  a="hi";
  a
  'hi'
  a=true;
  a
  true
  a=34465576;
  a
  34465576
  a={fruit:'apple',vegetable:'onion'};
  a.vegetable;
< 'onion'
```

Task 3:

Arithmetic operations →

MERN STACK DAY 1 : TASKS

```
> let a=2;
  let b=3;
  a+b;
< 5
> a-b;
< -1
> a/b;
< 0.6666666666666666
> a%b;
< 2
> a**b;
< 8
>
```

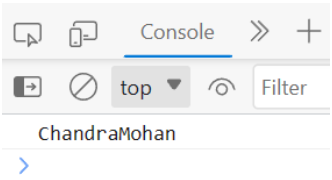
Task -4

String concate→

Code:

```
<body>
    <script>
let  str1="Chandra";
let str2="Mohan";
console.log(str1+str2);
</script>
</body>
</html>
```

Output:



Task 5:

Using typeof() →

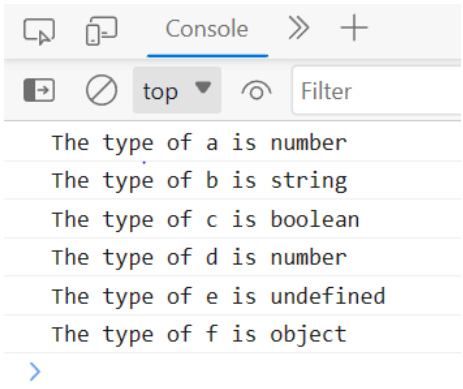
Code:

```
<body>
    <script>
let a=10;
let b="HI";
let c=true;
let d=545676788;
let e;
let f={Fruit:"Mango",Vegetable:"cabbage"};
console.log("The type of a is "+ typeof(a));
console.log("The type of b is "+typeof(b));
```

MERN STACK DAY 1 : TASKS

```
console.log("The type of c is "+typeof(c));
console.log("The type of d is "+typeof(d));
console.log("The type of e is "+typeof(e));
console.log("The type of f is "+typeof(f));
</script>
```

Output:



Task 6:

Single line comment→ mentioned using //→(**When you comment only single line**)

Multi line comment-→mentioned using/* */ →**(When you comment multiple lines**)

```
//Welcome to JavaScript.It is a kind of Scripting language -----> Single line
Comment (Using // );

/*
JavaScript (JS) is a lightweight interpreted (or just-in-time compiled)
programming language with
first-class functions. While it is most well-known as the scripting language
for Web pages,
many non-browser environments also use it, such as Node.js, Apache CouchDB and
Adobe Acrobat
----> Multiline comment   */
```

Task 7:

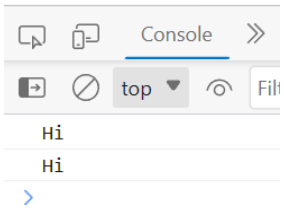
Diff between semicolon-separated and not separated lines

Code:

```
<body>
    <script>
console.log("Hi");
console.log("Hi")
    </script>
</body>
```

MERN STACK DAY 1 : TASKS

Output: There is no change in behavior

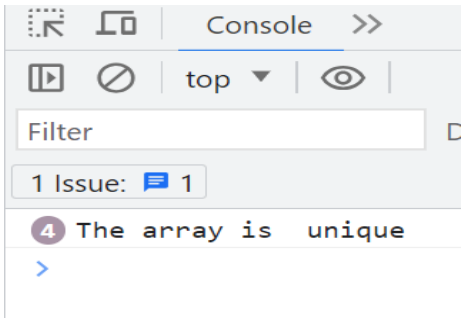


Task 8:

Code: Format nested loops using array(unique or not)→

```
let arr=[10,30,20,40];
let count=0;
for(let i=0;i<arr.length;i++){

    for(let j=i+1;j<arr.length;j++){

        if(arr[i] == arr[j] ){
console.log("The array is not unique");
break;
count++;
        }


    }
 if(count>1){

    break;
}
else{
    console.log("The array is  unique");
}
}
```

Output:



MERN STACK DAY 1 : TASKS

Task-9

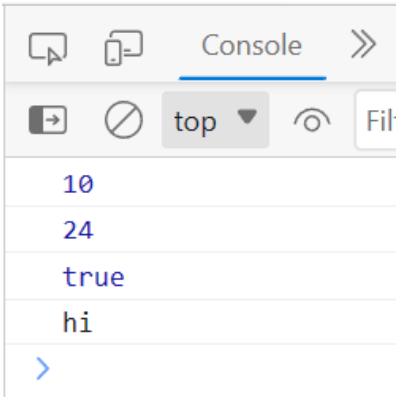
Multiple variables in single line→

Code:

```
<script>

        let a=10, b=24 , c=true, d="hi";
        console.log(a);
        console.log(b);
        console.log(c);
        console.log(d);
    </script>
```

Output:

MERN STACK DAY 1 : TASKS



Task-10

Script tag at the top and bottom of an HTML document→

Code:

```
<script>
    console.log("Welcome to JavaScript");
</script>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Day 1 Task</title>
</head>
<body>
</body>
</html>
<script>
    console.log("Welcome to Js");
</script>
```

Output:

There is no changes in behavior. We can give internal JS in both Top and bottom tags.