NAME: SANTHOSH AS
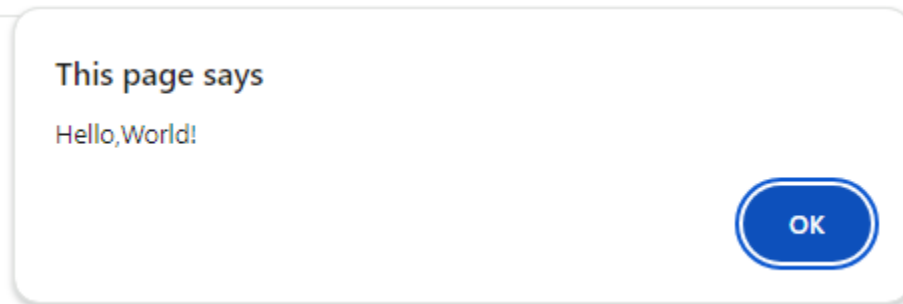**ROLL NO**: 717823F148

TASK 1

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

OUTPUT

This page says

Hello,World!

OK

TASK 2

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>TASK</title>
</head>
<body>
  <script>
    var a=10;
    console.log(a);
    let name ="Ram";
    console.log(name);
    var bool =true;
    console.log(bool);
  </script>
</body>
</html>
```

OUTPUT

```
10
Ram
true
>
```

TASK 3

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
        var a=10,b=7;
        console.log(a-b);
        console.log(a+b);
        console.log(a*b);
        console.log(a/b);
    </script>
</body>
</html>
```
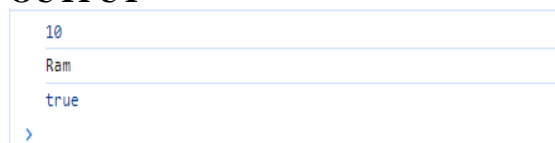
OUTPUT

```
3
17
70
1.4285714285714286
> |
```

TASK 4

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
        var name1="Ram";
        var name="Raj";
        console.log(name1+name);
    </script>
</body>
</html>
```

OUTPUT

```
RamRaj
>
```

TASK 5

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```html
    <title>TASK</title>
</head>
<body>
    <script>
      var name="Raj";
      var a=10;
      var b=true;
      console.log(typeof name);
      console.log(typeof a);
      console.log(typeof b);

    </script>
</body>
</html>
```

OUTPUT

```
string
number
boolean
>
```

TASK 6
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
      var name="Raj"; // String declared   Single line comment
      var a=10;
       /*
      var b=true;
      console.log(typeof name);
       multi-line JavaScript comment
        */
    </script>
</body>
</html>
```

TASK 7
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
let x = 10;
let y = 20;
```

```
let z = x + y;
console.log("Sum without semicolons:", z);
let a = 30; let b = 40; let c = a + b;
console.log("Sum with semicolons:", c);

    </script>
</body>
</html>
```

OUTPUT

```
Sum without semicolons: 30
Sum with semicolons: 70
> |
```

TASK 8

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
    for(var i=1;i<2;i++){
       for(var j=1;j<=5;j++){
          console.log(j);
       }
    }

    </script>
</body>
</html>
```

OUTPUT

```
1
2
3
4
5
> |
```

TASK 9

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
    var name="san",a=10,b=true,f=10.20,c='a';
```

```
    console.log(name);
    console.log(a);
    console.log(b);
    console.log(f);
    console.log(c);
    </script>
</body>
</html>
```

OUTPUT

```
san
10
true
10.2
a
> |
```

TASK 10
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
    <script>
        console.log("SCRIPT IN HEAD SECTION");
        </script>
</head>
<body>
    <script>
    console.log("SCRIPT IN BODY SECTION");
    </script>
</body>
</html>
```
OUTPUT

```
SCRIPT IN HEAD SECTION
SCRIPT IN BODY SECTION

>
```

TASK 11
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
```
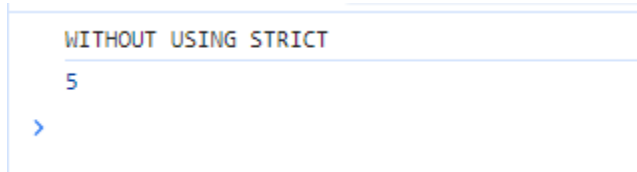
```
    console.log("WITHOUT USING STRICT");
    a=5;
    console.log(a);
  </script>
</body>
</html>
```

OUTPUT

```
WITHOUT USING STRICT

5

>
```

TASK 12

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>TASK</title>
</head>
<body>
  <script>
  'use strict';
  a=5;
  console.log(a);
  </script>
</body>
</html>
```
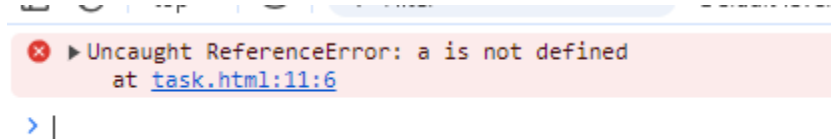
OUTPUT

```
❌ ▶ Uncaught ReferenceError: a is not defined
      at task.html:11:6

> |
```

TASK 13

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>TASK</title>
</head>
<body>
  <script>
  'use strict';
   var a={ name:"san", Course:"IT"};
   delete a.name;
  console.log(a);
  </script>
</body>
</html>
```

OUTPUT

```
▼ Object ⓘ
    Course: "IT"
  ▶ [[Prototype]]: Object
›
```

TASK 14

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>TASK</title>
</head>
<body>
  <script>
  n1=5;
  console.log(n1);
  'use strict';
   var a=10
  console.log(a);
  </script>
</body>
</html>
```

OUTPUT

```
5
10
›
```

TASK 15

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>TASK</title>
</head>
<body>
  <script>
  'use strict';
   var var =10
  console.log(var);
  </script>
</body>
</html>
```

OUTPUT

```
❌ Uncaught SyntaxError: Unexpected token 'var'
›
```

TASK 16

```html
<!DOCTYPE html>
<html lang="en">
<head>
```

```
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
    var n=5;
  var n=2;
    const pi=3.14;
    let name="san";
    name ="abinesh"
    console.log(n +" "+ name+" "+ pi);

    </script>
</body>
</html>
```

OUTPUT

```
    2 abinesh 3.14

 >
```

TASK 17

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
    const pi=3.14;
    pi=35
    console.log(pi);

    </script>
</body>
</html>
```

OUTPUT

```
 ⊗ ▶ Uncaught TypeError: Assignment to constant variable.
        at task.html:11:7

 >
```

TASK 18

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
    var a;
```

```
    console.log(a);
    </script>
</body>
</html>
```
OUTPUT
```
    undefined

 >
```
TASK 19
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
        var name="san",a=10,b=true;
    console.log(typeof name);
    console.log(typeof a);
    console.log(typeof b);
    </script>
</body>
</html>
```
OUTPUT
```
    string

    number

    boolean

 > |
```
TASK 20
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
    var emp={name:"Santhosh",dept:"IT"};
    var ename=emp.name;
    console.log(ename);
    </script>
</body>
</html>
```
OUTPUT
```
    Santhosh

 >
```

TASK 21

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
      var name="san",a=10,b=true,f=0,c;
      var emp={name:"san"}
    console.log(name);
    console.log(a);
    console.log(b);
    console.log(f);
    console.log(c);
    console.log(emp);
    </script>
</body>
</html>
```
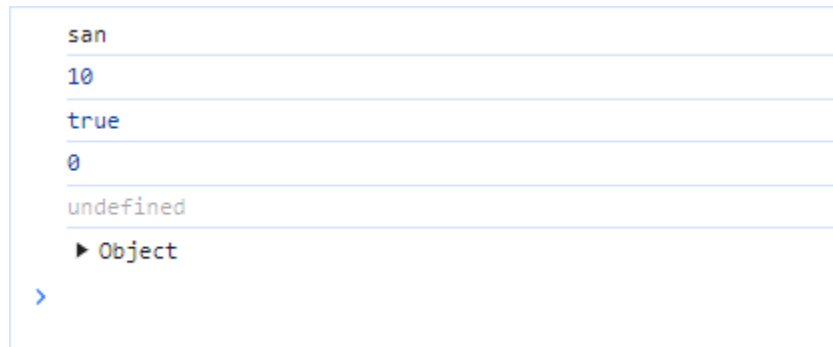
OUTPUT

```
    san

    10

    true

    0

    undefined

    ▶ Object

>
```

TASK 22

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
      var name="san",a=10,b=true,c;
      var emp={ename:"raj"}
    console.log(typeof name );
    console.log(typeof a);
    console.log(typeof b);
    console.log(typeof c);
    console.log(typeof emp);
    </script>
</body>
</html>
```

OUTPUT

```
    string
    number
    boolean
    undefined
    object
> |
```

TASK 23
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>TASK</title>
</head>
<body>
  <script>
    var n='+'
  console.log(typeof n);

  </script>
</body>
</html>
```
OUTPUT
```
    string
 >
```

TASK 24
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>TASK</title>
</head>
<body>
  <script>
    var n=null
  console.log(typeof n);

  </script>
</body>
</html>
```
OUTPUT
```
    object
 >
```

TASK 25
```
<!DOCTYPE html>
<html lang="en">
```

```
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
          var n=5;
    var n=2;

    let name="san";
    name ="abinesh"
    console.log(n +" "+ name);


    </script>
</body>
</html>
```

OUTPUT

```
    2 abinesh
 > |
```

TASK 26
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TASK</title>
</head>
<body>
    <script>
    let n=parseInt("10");
    var a="15";
    console.log(a+" "+ n);
    </script>
</body>
</html>
```

OUTPUT

```
    15 10
 >
```