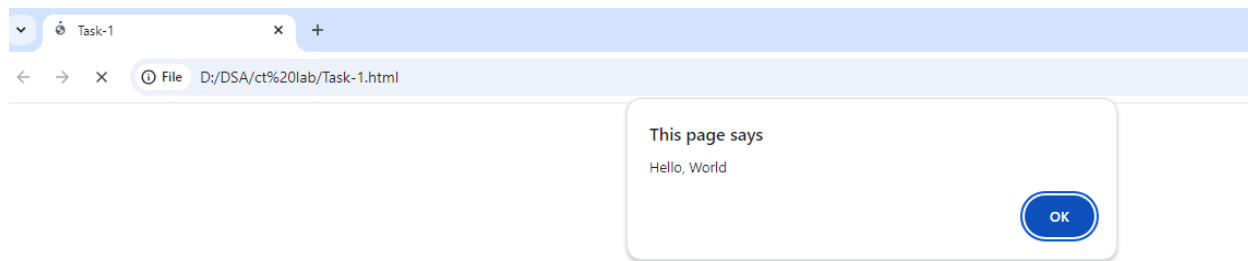


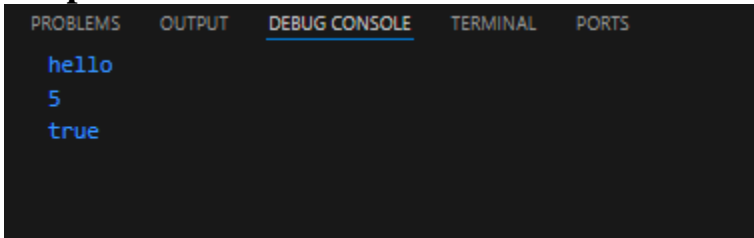
Task-1:**Code:**

```
<!Doctype html>
<html>
  <head>
    <title>
      Task-1(717823f142)
    </title>
  </head>
  <body>
    <script>
      alert("Hello, World");
    </script>
  </body>
</html>
```

OUTPUT:**Task-2:****Code:**

```
<!Doctype html>
<html>
  <head>
    <title>Task-2(717823f142)</title>
  </head>
  <body>
    <script>
      let s="hello";
      var n=5;
      var b=true;
      console.log(s);
      console.log(n);
      console.log(b);
    </script>
  </body>
</html>
```

Output:



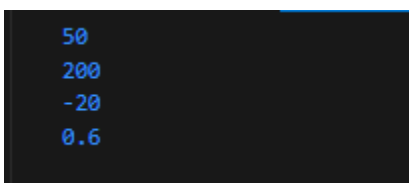
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
hello
5
true
```

Task-3:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-3(717823f142)</title>
  </head>
  <body>
    <script>
      var a=10;
      var b=20;
      var c=30;
      var d;
      d=c+b;
      console.log(d);
      console.log(a*b);
      console.log(c-d);
      console.log(c/d);
    </script>
  </body>
</html>
```

Output:



```
50
200
-20
0.6
```

Task-4:

Code:

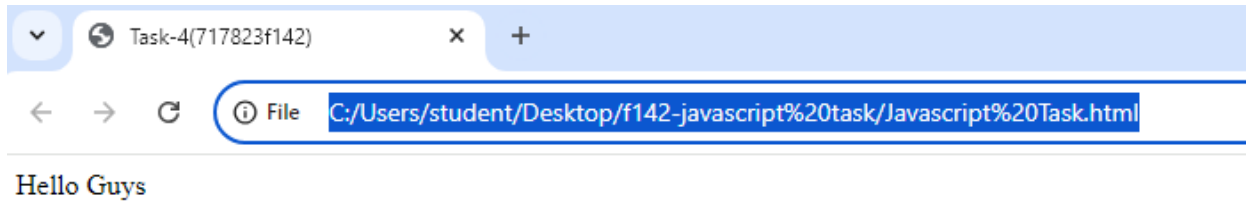
```
<!Doctype html>
<html>
  <head>
    <title>Task-4(717823f142)</title>
  </head>
  <body>
    <script>
      let s1="Hello ";
      let s2="Guys";
```

```

    document.writeln(s1+s2);
</script>
</body>
</html>

```

Output:



Task-5:

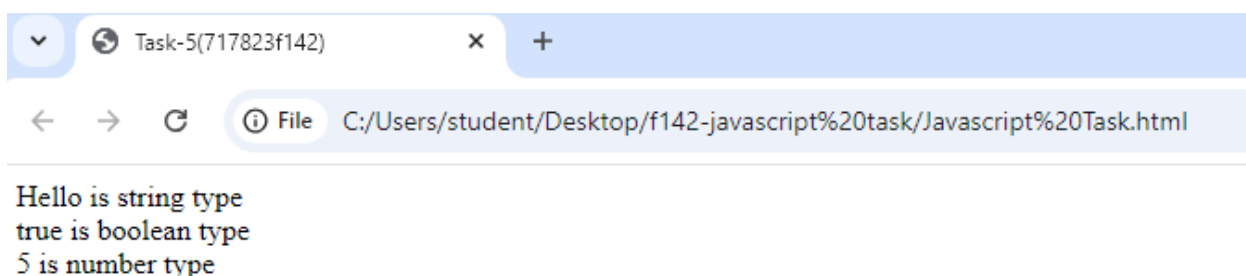
Code:

```

<!Doctype html>
<html>
  <head>
    <title>Task-5(717823f142)</title>
  </head>
  <body>
    <script>
      let s1="Hello ";
      let s2=true;
      var s3=5;
      document.writeln(s1+ " is "+typeof s1+" type"+"<br>");
      document.writeln(s2+ " is "+typeof s2+" type"+"<br>");
      document.writeln(s3+ " is "+typeof s3+" type"+"<br>");
    </script>
  </body>
</html>

```

Output:



Task-6:

Code:

```

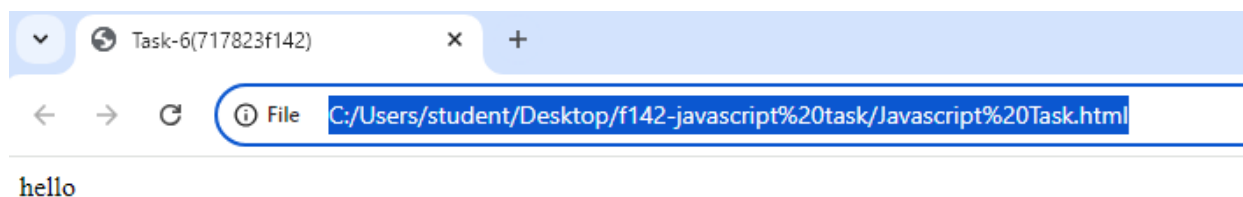
<!Doctype html>
<html>

```

```
<head>
  <title>Task-6(717823f142)</title>
</head>
<body>
  <script>
    //This is single line comment
    //this is also single line comment
    //this is aso a single line comment
    document.write("hello");
    /*this
    is
    document.write("guys");
    multi line
    comment*/

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

Output:

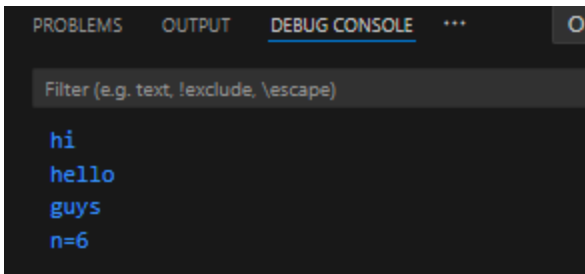


Task-7:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-7(717823f142)</title>
  </head>
  <body>
    <script>
      console.log("hi");console.log("hello");console.log("guys");
      let n=5;
      n++
      console.log("n="+n)
    </script>
  </body>
</html>
```

Output:

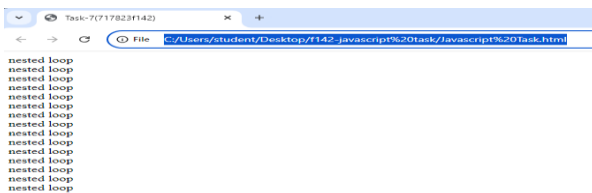


Task-8:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-8(717823f142)</title>
  </head>
  <body>
    <script>
      var n=5;
      while(n--){
        var i=3;
        while(i--){
          document.writeln("nested loop"+"<br>");
        }
      }
    </script>
  </body>
</html>
```

Output:



Task-9:

Code:

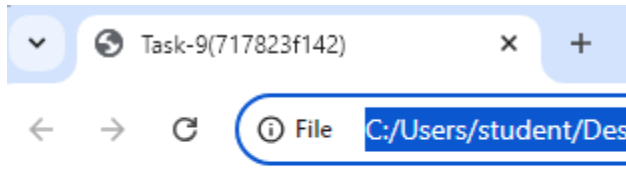
```
<!Doctype html>
<html>
  <head>
    <title>Task-9(717823f142)</title>
  </head>
  <body>
    <script>
      let a,b,c;
      a="hello";
      b=true;
      c=5;
      document.write(a+" "+b+" "+c);
```

```

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

```

Output:



hello true 5

Task-10:

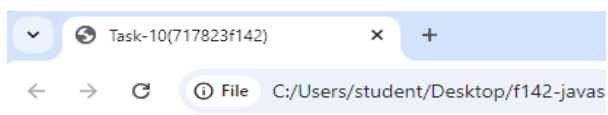
Code:

```

<!Doctype html>
<html>
  <head>
    <title>Task-10(717823f142)</title>
  <script>
    let d,e,f;
    d="hello";
    e=true;
    f=5;
    document.write(d+" "+e+" "+f+"in top"+"<br>");
  </script>
</head>
<body>
  <script>
    let a,b,c;
    a="hello";
    b=true;
    c=5;
    document.write(a+" "+b+" "+c);
  </script>
</body>
</html>

```

Output:



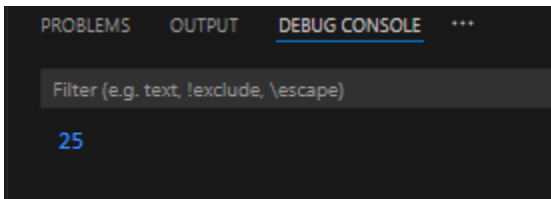
hello true 5in top
hello true 5

Task-11:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-11(717823f142)</title>
  </head>
  <body>
    <script>
      x=25;
      console.log(x);
    </script>
  </body>
</html>
```

Output:

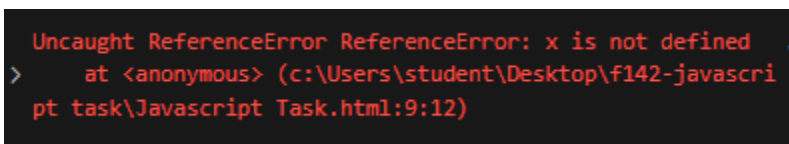


Task-12:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-12(717823f142)</title>
  </head>
  <body>
    <script>
      "use strict";
      x=25;
      console.log(x);
    </script>
  </body>
</html>
```

Output:

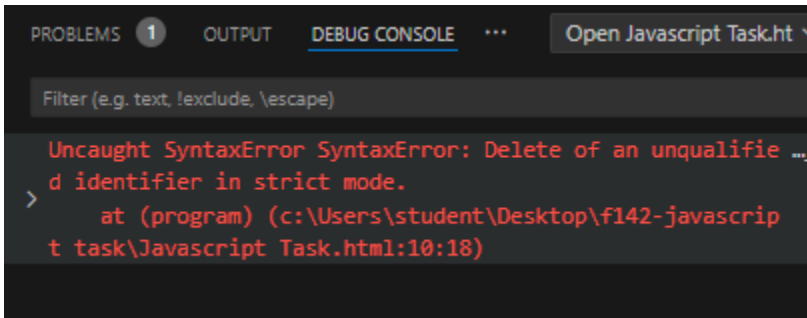


Task-13:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-13(717823f142)</title>
  </head>
  <body>
    <script>
      "use strict";
      var x=25;
      delete x;
      console.log(x);
    </script>
  </body>
</html>
```

Output:

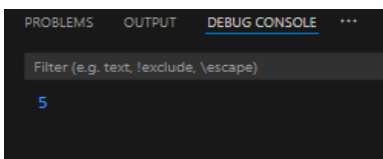


Task-14:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-11(717823f142)</title>
  </head>
  <body>
    <script>
      x=5;
      "use strict";
      console.log(x);
    </script>
  </body>
</html>
```

Output:

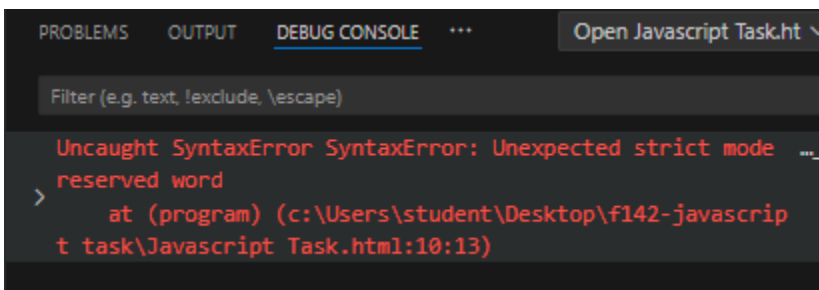


Task-15

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-15(717823f142)</title>
  </head>
  <body>
    <script>
      "use strict";
      var let=5;
      console.log(let);
    </script>
  </body>
</html>
```

Output:

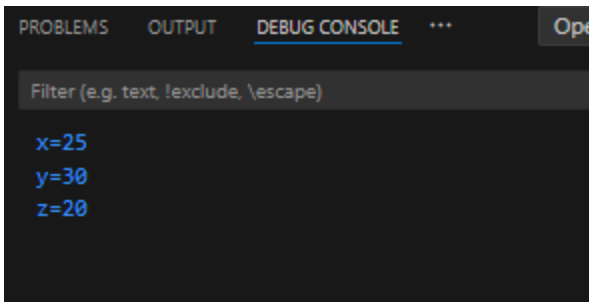


Task-16:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-16(717823f142)</title>
  </head>
  <body>
    <script>
      let y=20;
      y=30;
      const z=20;
      var x=5;
      var x=25;
      console.log("x="+x);
      console.log("y="+y);
      console.log("z="+z);
    </script>
  </body>
</html>
```

Output:

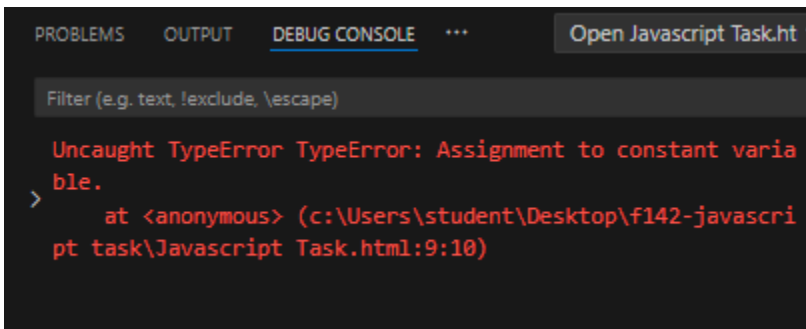


Task-17;

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-17(717823f142)</title>
  </head>
  <body>
    <script>
      const z=20;
      z=30;
      console.log("z="+z);
    </script>
  </body>
</html>
```

Output:



Task-18:

Code:

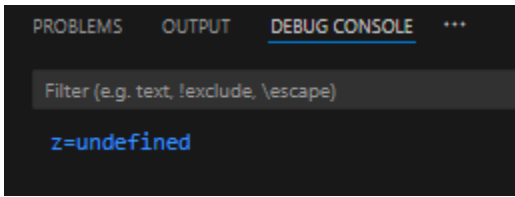
```
<!Doctype html>
<html>
  <head>
    <title>Task-18(717823f142)</title>
  </head>
  <body>
    <script>
      var z;
      console.log("z="+z);
    </script>
```

```

</body>
</html>

```

Output:



Task-19:

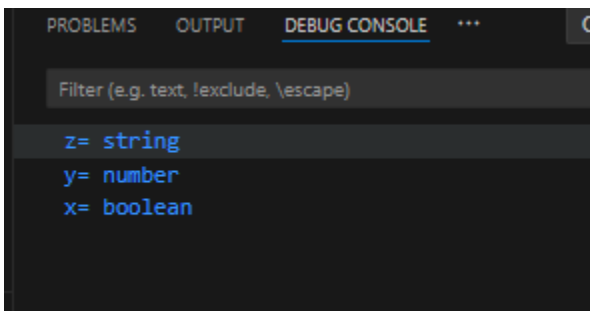
Code:

```

<!Doctype html>
<html>
  <head>
    <title>Task-19(717823f142)</title>
  </head>
  <body>
    <script>
      var z="hello";
      var x=false;
      var y=20;
      console.log("z= "+typeof z);
      console.log("y= "+typeof y);
      console.log("x= "+typeof x);
    </script>
  </body>
</html>

```

Output:



Task-20:

Code:

```

<!Doctype html>
<html>
  <head>
    <title>Task-20(717823f142)</title>
  </head>
  <body>
    <script>
      var employee={

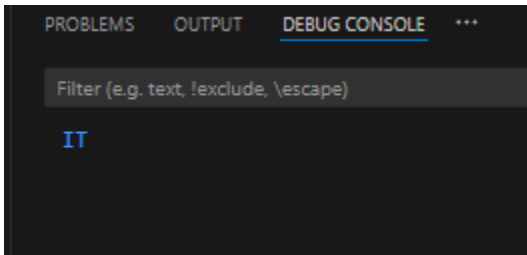
```

```

        name:"sam",
        dept:"IT"
    };
    var {employee,dept}=employee;
    console.log(employee);
</script>
</body>
</html>

```

Output:



Type-21:

Code:

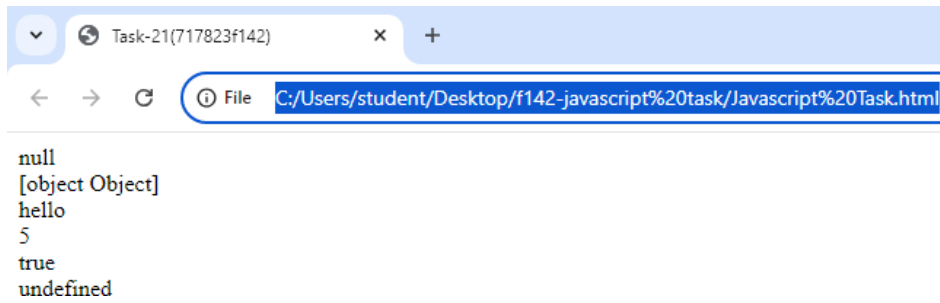
```

<!Doctype html>
<html>
  <head>
    <title>Task-21(717823f142)</title>
  </head>
  <body>
    <script>
      var employee={
        name:"sam",
        dept:"IT"
      };
      var s="hello";
      var y=5;
      var b=true;
      var l=null;
      var u;
      document.writeln(l+"<br>");
      document.writeln(employee+"<br>");
      document.writeln(s+"<br>");
      document.writeln(y+"<br>");
      document.writeln(b+"<br>");
      document.writeln(u+"<br>");

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

```

Output;

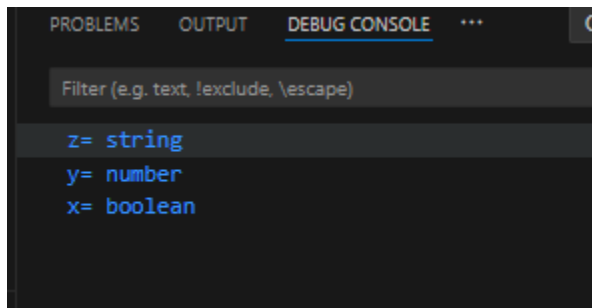


Task-22:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-22(717823f142)</title>
  </head>
  <body>
    <script>
      var z="hello";
      var x=false;
      var y=20;
      console.log("z= "+typeof z);
      console.log("y= "+typeof y);
      console.log("x= "+typeof x);
    </script>
  </body>
</html>
```

Output:



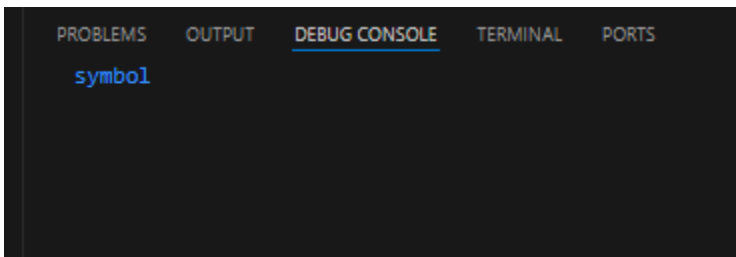
Task-23:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-23(717823f142)</title>
  </head>
  <body>
    <script>
      let symbol = Symbol('mySymbol');
      console.log(typeof symbol);
    </script>
  </body>
</html>
```

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

Output:

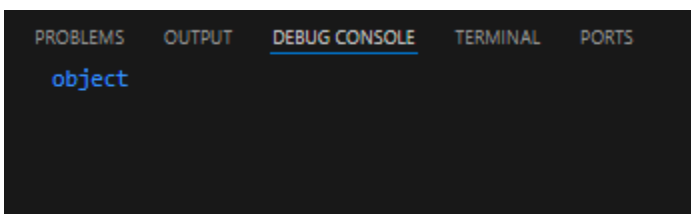


Task-24:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-24(717823f142)</title>
  </head>
  <body>
    <script>
      var n=null;
      console.log(typeof n);
    </script>
  </body>
</html>
```

Output:



Task-25:

Code:

```
<!Doctype html>
<html>
  <head>
    <title>Task-21(717823f142)</title>
  </head>
```

```
<body>

  <script>

    { var n=5;

    let b=10;

    }

    console.log( n);

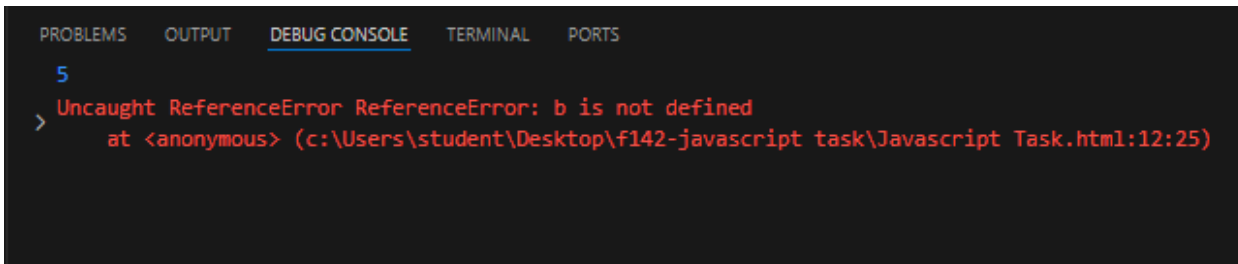
    console.log(b);

  </script>

</body>

</html>
```

Output:



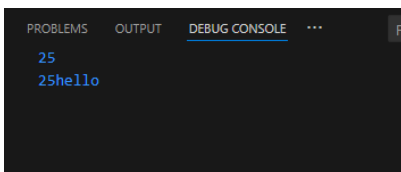
Task-26:

Code:

```
<!DOCTYPE html>
<head>
  <title>Task-26(717823f142)</title>
</head>
<body>
  <script>
    var s= String(25);
    var m=25+"hello";
    console.log(m);

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

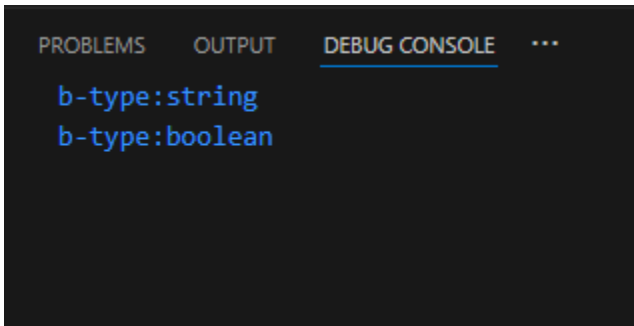
Output:



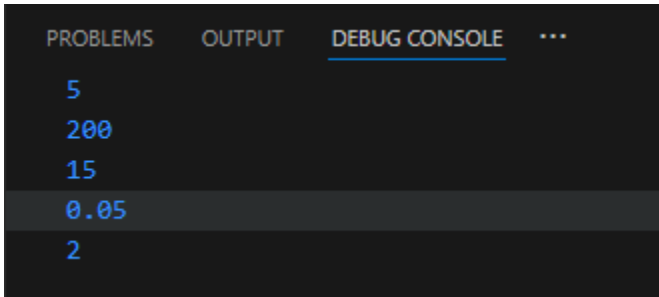
Task-27:**Code:**

```
<!DOCTYPE html>
<head>
  <title>Task-27(717823f142)</title>
</head>
<body>
  <script>
    var b=true;
    b=String(b);
    console.log("b-type:"+typeof b);
    b=Boolean(b);
    console.log("b-type:"+typeof b);

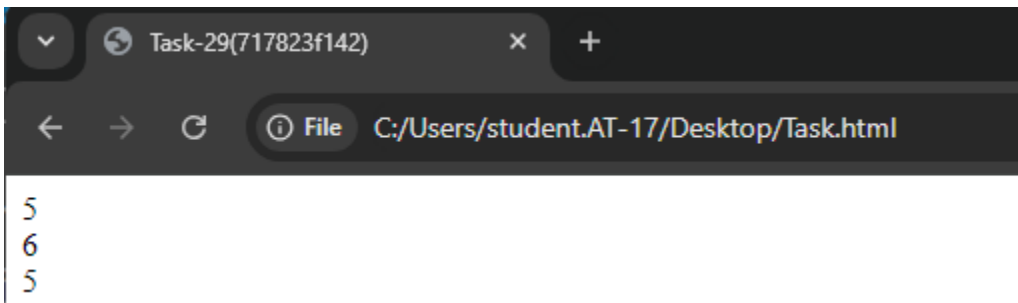
  </script>
</body>
</html>
```

Output:**Task-28:****Code:**

```
<!DOCTYPE html>
<head>
  <title>Task-28(717823f142)</title>
</head>
<body>
  <script>
    var b=5;
    var a=10
    var c=20;
    let d;
    console.log(a-b);
    d=a*c;
    console.log(d);
    console.log(c-b);
    console.log(a/d);
    console.log(c%3);
  </script>
</body>
</html>
```

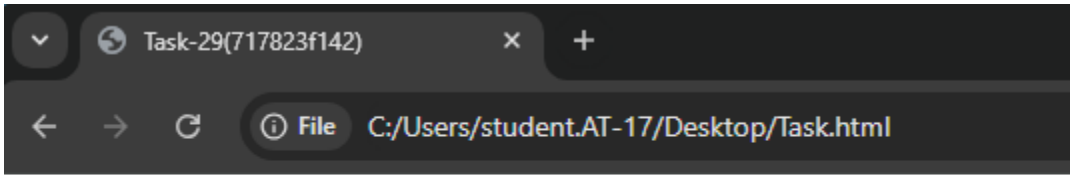

Output:**Task-29****Code:**

```
<!DOCTYPE html>
<head>
  <title>Task-29(717823f142)</title>
</head>
<body>
  <script>
    var b=5;
    document.writeln(b+"<br>");
    b++;
    document.writeln(b+"<br>");
    b--;
    document.writeln(b+"<br>");
  </script>
</body>
</html>
```

Output:**Task-30:****Code:**

```
<!DOCTYPE html>
<head>
  <title>Task-30(717823f142)</title>
</head>
<body>
  <script>
    var b=5;
    c=b+2-5*2/4**2%2;
    document.writeln(c);
```

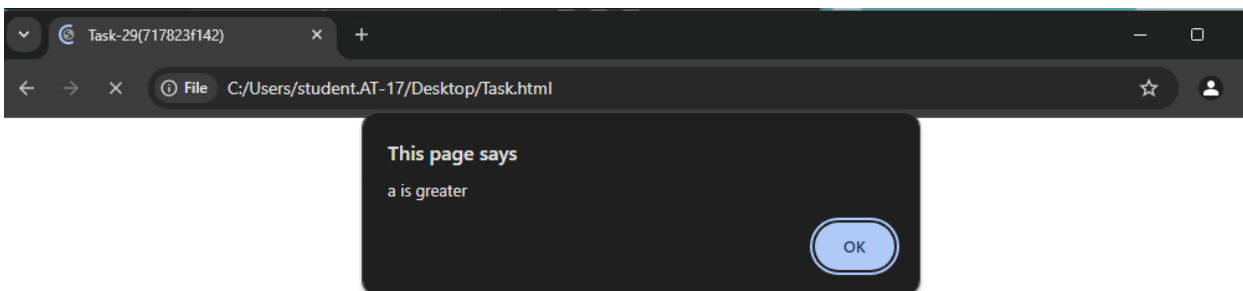
```
</script>
</body>
</html>
```

Output:

6.375

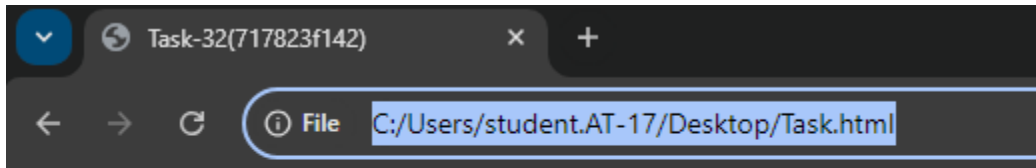
Task-31:**Code:**

```
<!DOCTYPE html>
<head>
  <title>Task-31(717823f142)</title>
</head>
<body>
  <script>
    var b=32;
    var a=34;
    if(a>b){
      alert("a is greater");
    }
    else{
      alert("b is greater");
    }
  </script>
</body>
</html>
```

Output:

Task-32:**Code:**

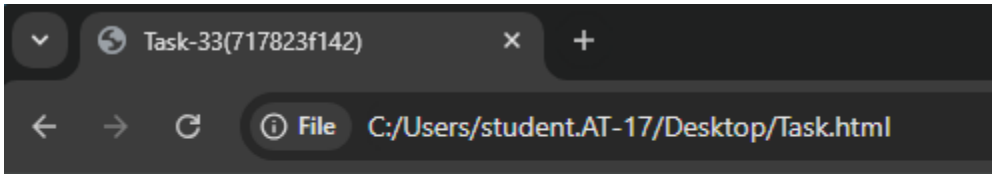
```
<!DOCTYPE html>
<head>
  <title>Task-32(717823f142)</title>
</head>
<body>
  <script>
    var a=10;
    var b="10"
    document.writeln(a==b);
    document.writeln("<br>")
    document.writeln(a===b);
  </script>
</body>
</html>
```

Output:

true
false

Task-33:**Code:**

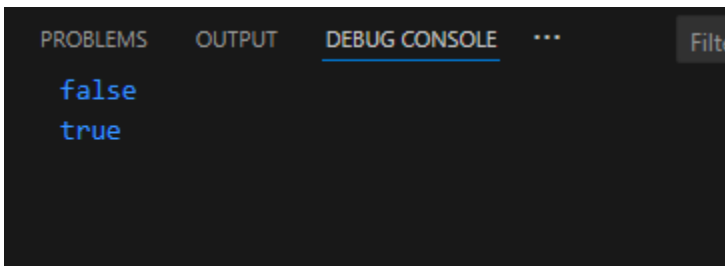
```
<!DOCTYPE html>
<head>
  <title>Task-33(717823f142)</title>
</head>
<body>
  <script>
    var a="String";
    var b="Buffer";
    document.write(a.localeCompare(b));
  </script>
</body>
</html>
```

Output:

1

Task-34:**Code:**

```
<!DOCTYPE html>
<head>
  <title>Task-34(717823f142)</title>
</head>
<body>
  <script>
    var a=10;
    var b="10";
    console.log(a!=b);
    console.log(a!==b);
  </script>
</body>
</html>
```

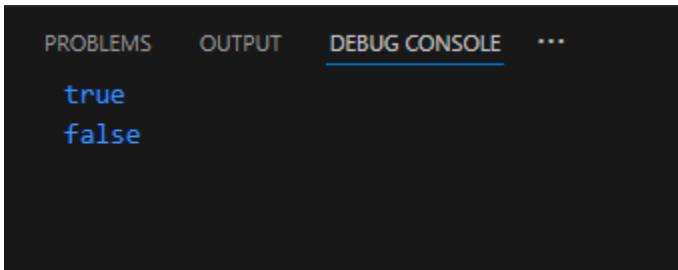
Output:**Task-35:****Code:**

```
<!DOCTYPE html>
<head>
  <title>Task-35(717823f142)</title>
</head>
<body>
  <script>
    var a=null
    var b
    console.log(a==b);
    console.log(a===b);
  </script>
```

```
</body>
```

```
</html>
```

Output:

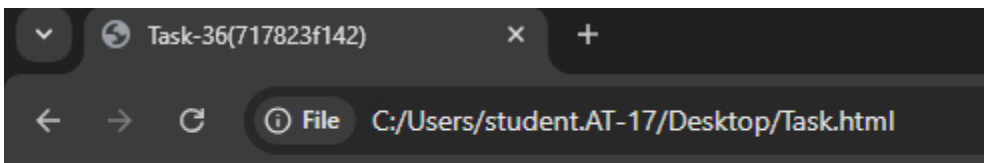


Task-36:

Code:

```
<!DOCTYPE html>
<head>
  <title>Task-36(717823f142)</title>
</head>
<body>
  <script>
    var a=Number(prompt("Enter the number"));
    if(a%2==0){
      document.write("Even number"+"<BR>")
    }
    else{
      document.write("Odd Number")
    }
  </script>
</body>
</html>
```

Output:



Odd Number

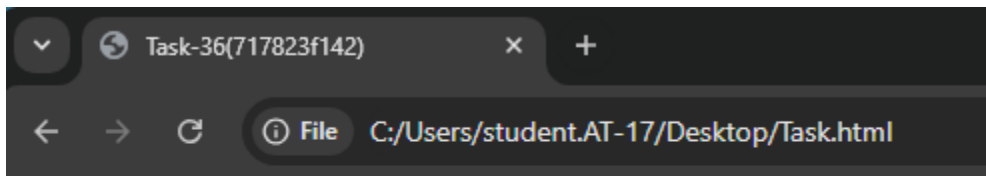
Task-37:

Code:

```
<!DOCTYPE html>
<head>
  <title>Task-37(717823f142)</title>
</head>
<body>
```

```
<script>
var a=Number(prompt("Enter the number"));
if(a>0){
    document.write("Positive number"+"<BR>")
}
else{
    if(a<0){
        document.write("Negative Number")
    }
    else{
        document.write("Zero")
    }
}
</script>
</body>
</html>
```

Output:

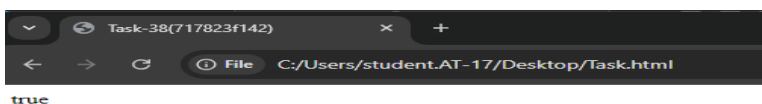


Negative Number

Task-38:

Code:

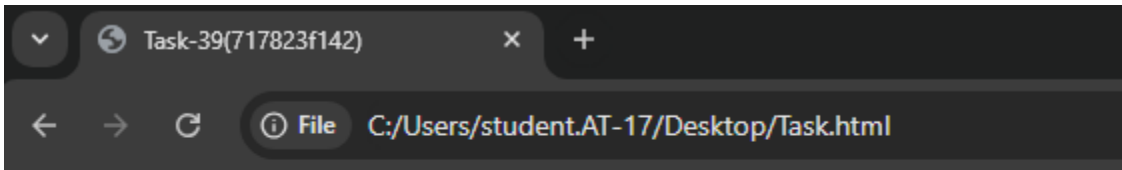
```
<!DOCTYPE html>
<head>
    <title>Task-38(717823f142)</title>
</head>
<body>
    <script>
        var a=5;
        a>4?b=true:b=false;
        document.writeln(b);
    </script>
</body>
</html>
```



Output:

Task-39:**Code:**

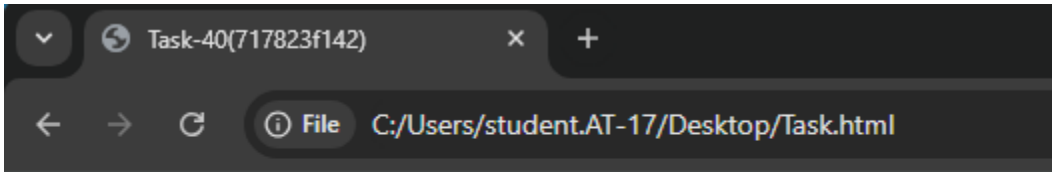
```
<!DOCTYPE html>
<head>
  <title>Task-39(717823f142)</title>
</head>
<body>
  <script>
    var a=5;
    document.write(a?"hi");
    let b;
    document.write("<BR>");
    document.write(b?"hi");
  </script>
</body>
</html>
```

Output:

5
hi

Task:**Code:**

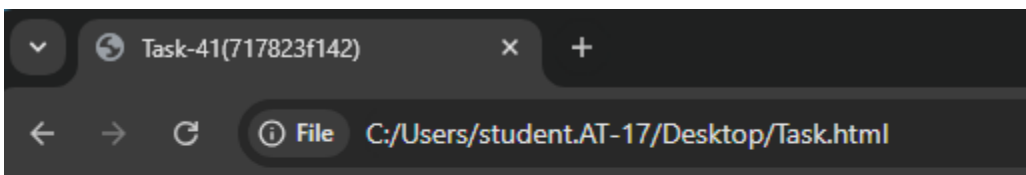
```
<!DOCTYPE html>
<head>
  <title>Task-40(717823f142)</title>
</head>
<body>
  <script>
    var a=5;
    var b=a>5?25:24;
    document.write(b);
  </script>
</body>
</html>
```

Output:

24

Task-41:**Code:**

```
<!DOCTYPE html>
<head>
  <title>Task-41(717823f142)</title>
</head>
<body>
  <script>
    var a=5;
    var b=0
    document.write(!b);
    document.write("<BR>");
    document.write(a>5&&a>2);
    document.write("<BR>");
    document.write(a>5||a>2);
  </script>
</body>
</html>
```

Output:

true

false

true

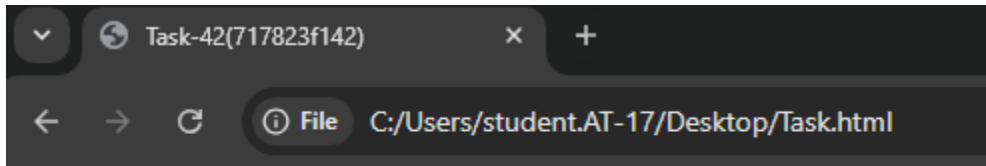
Task-42:**Code:**

```
<!DOCTYPE html>
<head>
  <title>Task-42(717823f142)</title>
</head>
```



```
<body>
  <script>
    var a=5;
    document.write(a>5&&a>2);
    document.write("<BR>");
    document.write(a>5||a>2);
  </script>
</body>
</html>
```

Output:



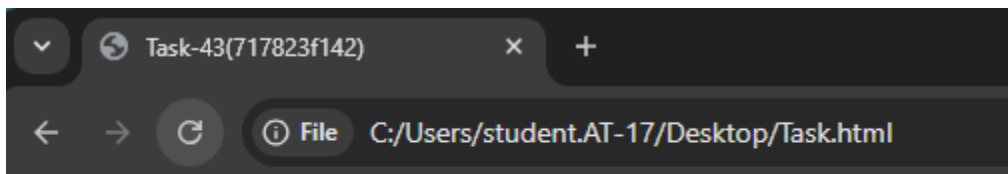
false
true

Task-43:

Code:

```
<!DOCTYPE html>
<head>
  <title>Task-43(717823f142)</title>
</head>
<body>
  <script>
    var a=true;
    document.write(!a);
    document.write("<BR>" + a);
  </script>
</body>
</html>
```

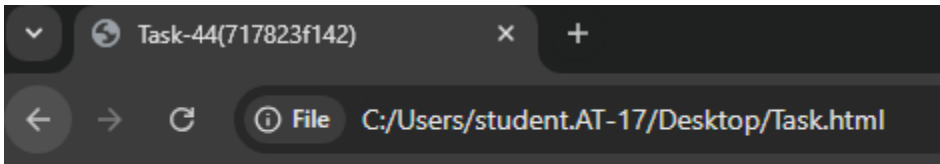
Output:



false
true

Task-44:**Code:**

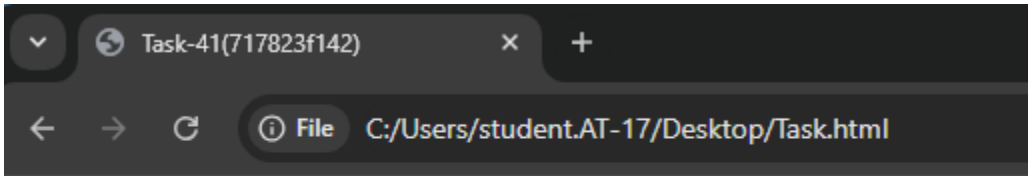
```
<!DOCTYPE html>
<head>
  <title>Task-44(717823f142)</title>
</head>
<body>
  <script>
    var a=true;
    var b=false
    document.write(a&&b);
    document.write("<BR>");
    document.write(a||b);
  </script>
</body>
</html>
```

Output:

false
true

Task-45:**Code:**

```
<!DOCTYPE html>
<head>
  <title>Task-41(717823f142)</title>
</head>
<body>
  <script>
    var a=5;
    var b=0
    document.write(!b);
    document.write("<BR>");
    document.write(a>5&&a>2);
    document.write("<BR>");
    document.write(a>5||a>2);
  </script>
</body>
</html>
```

Output:

true
false
true