

JAVASCRIPT FUNDAMENTALS

1. Write a simple script that displays “Hello, World!” on the web page using an alert box.

```
<html>
<head>
<title>Task</title>
</head>
<body>
  <script>
    alert("Hello World!");
  </script>
</body>
</html>
```



2. Experiment with different data types in JavaScript (e.g., string, number, boolean) by declaring and logging them in the console.

```
<html>
<head>
  <title>Task 2</title>
</head>
<body>
  <script>
    let num=10;
    let str="Abinaya";
    let bool=2>1;
    console.log(num);
    console.log(str);
    console.log(bool);
  </script>
</body>
</html>
```

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

10
Abinaya
true
```

3. Use the console to perform basic math operations like addition, subtraction, multiplication, and division.

```
<html>
  <head>
    <title>Task 3</title>
  </head>
  <body>
    <script>
      let num1=10;
      let num2=5;
      let add=num1+num2;
      let sub=num1-num2;
      let mul=num1*num2;
      let div=num1/num2;
      console.log("Addiiton:",add);
      console.log("Subtraction:",sub);
      console.log("Multiplication:",mul);
      console.log("Division:",div);
    </script>
  </body>
</html>
```

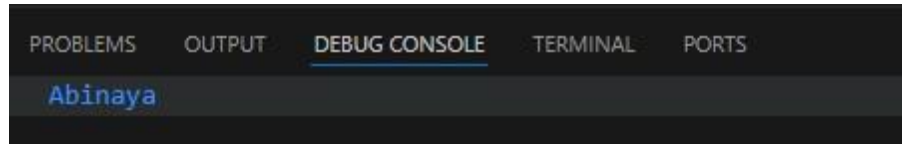
```
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Addiiton: 15
Subtraction: 5
Multiplication: 50
Division: 2
```

4. Declare two strings and concatenate them using the + operator.

```
<html>
  <head>
    <title>Task4</title>
  </head>
  <body>
```

```
<script>
  let s1="Abi";
  let s2="naya";
  console.log(s1+s2);
</script>
</body>
</html>
```



5. Use the typeof operator to check the data type of various variables.

```
<html>
  <head>
    <title>task 5</title>
  </head>
  <body>
    <script>
      let name=typeof("abi");
      let number=typeof(10);
      let bool=typeof(true);
      let big=typeof(12345667899n);
      let obj={
        name:"abi",
        age:19
      };
      let age;
      let num=null;
      console.log(typeof(num));
      console.log(typeof(age));
      console.log(typeof(obj));
      console.log(big);
      console.log(name);
      console.log(number);
      console.log(bool);
    </script>
  </body>
</html>
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
object  
undefined  
object  
bigint  
string  
number  
boolean
```