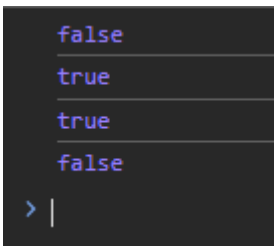


Roll No : 717823F115

Name : Gautamavell Elango

Task 31:

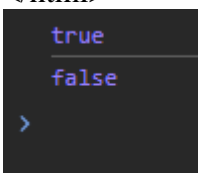
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    var a = 10
    var b = 20
    console.log(a > b);
    console.log(a < b);
    console.log(a<=b);
    console.log(a>=b);
  </script>
</body>
</html>
```



```
false
true
true
false
> |
```

Task 32:

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



```
true
false
>
```

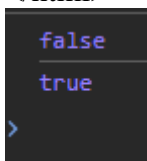
Task 33:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    var a = "banana"
    var b = "apple"
    console.log(a.localeCompare(b))
  </script>
</body>
</html>
```



Task 34:

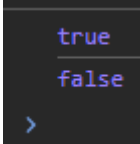
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    var a = "10"
    var b = 10
    console.log(a!=b)
    console.log(a!==b);
  </script>
</body>
</html>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



Task 35:

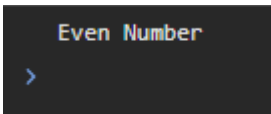
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    console.log(null == undefined)
    console.log(null === undefined);
```

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



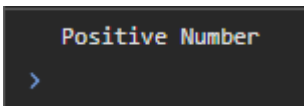
Task 36:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    let a = 10;
    if(a%2 == 0)
      console.log("Even Number");
    else
      console.log("Odd Number");
  </script>
</body>
</html>
```



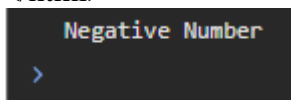
Task 37:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    let a = 10;
    if(a > 0)
      console.log("Positive Number")
    else if(a < 0)
      console.log("Negative Number")
    else
      console.log("Zero");
  </script>
</body>
</html>
```



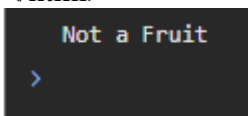
Task 38:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    let a = -10;
    a > 0 ? console.log("Positive Number") : a < 0 ? console.log("Negative Number") :
console.log("Zero");
  </script>
</body>
</html>
```

A screenshot of a web browser's developer console. The text 'Negative Number' is displayed in a light blue font on a dark background. Below the text is a blue arrow pointing to the right, indicating that the console is expanded to show more details.

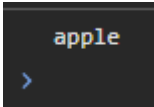
Task 39:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    let a
    console.log( a ?? "Not a Fruit");
  </script>
</body>
</html>
```

A screenshot of a web browser's developer console. The text 'Not a Fruit' is displayed in a light blue font on a dark background. Below the text is a blue arrow pointing to the right, indicating that the console is expanded to show more details.

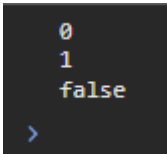
Task 40:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    let a = "apple"
    console.log( a ?? "Not a Fruit");
  </script>
</body>
</html>
```



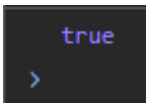
Task 41:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    a = 1
    b = 0
    console.log( (a && b) + "\n" + (a || b) + "\n" + (!a));
  </script>
</body>
</html>
```



Task 42:

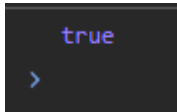
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    num = 10
    min = 10
    max = 50
    console.log( (num >= min) && (num < max) );
  </script>
</body>
</html>
```



Task 43:

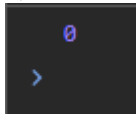
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
```

```
<script>
  num = 0
  console.log( !num );
</script>
</body>
</html>
```



Task 44:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    a = 0
    b = 0
    c = 0
    console.log( a || (b && c) );
  </script>
</body>
</html>
```



Task 45:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    a = 4
    b = 6
    console.log( (a || b) + "\n" + (a && b) + "\n" + (!a));
  </script>
</body>
</html>
```

