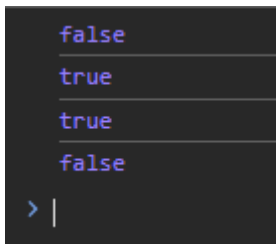


Roll No : 717823F137

Name : Nandhakumar P V

Task 31:

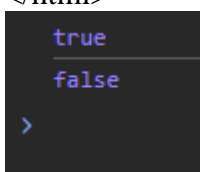
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    var a = 10
    var b = 20
    console.log(a > b);
    console.log(a < b);
    console.log(a<=b);
   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

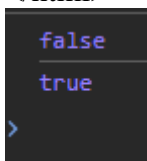
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    var a = "banana"
    var b = "apple"
    console.log(a.localeCompare(b))
  </script>
</body>
</html>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



```
1
```

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>
```

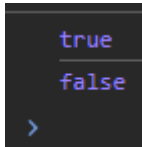


```
false
true
```

Task 35:

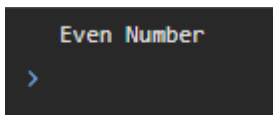
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    console.log(null == undefined)
    console.log(null === undefined);
```

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

A terminal window with a dark background. The word 'true' is displayed on the first line and 'false' on the second line, both in a light blue font. A blue prompt character '>' is visible on the third line.

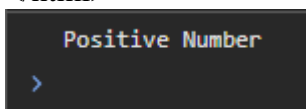
Task 36:

```
<!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>
```

A terminal window with a dark background. The text 'Even Number' is displayed in a light blue font. A blue prompt character '>' is visible on the line below.

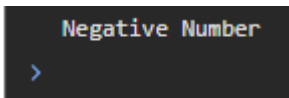
Task 37:

```
<!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>
```

A terminal window with a dark background. The text 'Positive Number' is displayed in a light blue font. A blue prompt character '>' is visible on the line below.

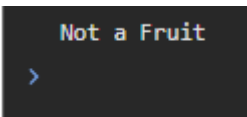
Task 38:

```
<!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. It shows a single log entry with the text "Negative Number" in a light blue font on a dark background. Below the text is a small blue arrow icon pointing to the right.

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. It shows a single log entry with the text "Not a Fruit" in a light blue font on a dark background. Below the text is a small blue arrow icon pointing to the right.

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>
```

```
apple
>
```

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>
```

```
0
1
false
>
```

Task 42:

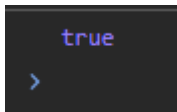
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
  <script>
    num = 10
    min = 10
    max = 50
    console.log( (num >= min) && (num < max) );
  </script>
</body>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

```
true
>
```

Task 43:

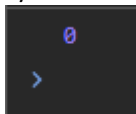
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JavaScript</title>
</head>
<body>
```

```
<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>
```

