



JavaScript Tasks and Exercises

Duration: 4 Hour

JavaScript if statement

1-Check if a variable named "age" is greater than 18 and display a message "You are an adult" if it is.

Example:

Input: `age = 27`

Output: `"You are an adult"`

2-Check if a variable named "score" is less than or equal to 50 and display a message "You failed the test" if it is.

Example:

Input: `score = 45`

Output: `"You failed the test"`

3- Check if a variable named "name" is equal to "John" and display a message "Hello, John" if it is.

Example:

Input: `name = "John"`

Output: `"Hello, John"`

4-Check if a variable named "day" is not equal to "Saturday" and "Sunday" and display a message "It's a weekday" if it is.

Example:

Input: `day = "Monday"`

Output: `"It's a weekday"`

5- Check if a variable named "num" is divisible by 2 and display a message "The number is even" if it is.

Example:

Input: `num = 4`

Output: `"The number is even"`

6- Check if a variable named "char" is a letter and display a message "It's a letter" if it is.

Example:

Input: `char = "a"`



```
Output: "It's a letter"
```

7-Check if a variable named "list" is an array and display a message "It's an array" if it is.

Example:

```
Input: list = [1, 2, 3]
```

```
Output: "It's an array"
```

8-Check if a variable named "x" is a positive number and display a message "x is a positive number"

Example:

```
Input: x = 5
```

```
Output: "x is a positive number"
```

9-Check if a variable named "y" is a negative number and display a message "y is a negative number" if it is.

Example:

```
Input: y = -5
```

```
Output: "y is a negative number"
```

10-Check if a variable named "z" is a multiple of 3 and display a message "z is a multiple of 3" if it is.

Example:

```
Input: z = 9
```

```
Output: "z is a multiple of"
```

11- Check if a variable named "gpa" is greater than or equal to 3.0 and display a message "Congratulations, you have a good GPA!" if it is.

Example:

```
Input: gpa = 3.5
```

```
Output: "Congratulations, you have a good GPA!"
```



12- Check if a variable named "password" is at least 8 characters long and display a message "Your password is strong" if it is.

Example:

Input: `password = "mypassword123"`

Output: `"Your password is strong"`

13-Check if a variable named "age" is between 18 and 65 (inclusive) and display a message "You are of working age" if it is.

Example:

Input: `age = 30`

Output: `"You are of working age"`

14- Check if a variable named "color" is either "red", "green", or "blue" and display a message "color is a primary color" if it is.

Example:

Input: `color = "red"`

Output: `"color is a primary color"`

15-using Function `isNaN()` checks if input variable is a number by using `isNaN()` in-built JavaScript function.

Example:

```
isValidNumber(11) // "11 is a valid number"
isValidNumber("19") // "19 is a valid number"
isValidNumber("xyz") // "xyz is not a number"
isValidNumber("17.5") // "17.5 is a valid number"
isValidNumber("21F") // "21F is not a number"
```