

Coding is practice... Practice your JS Code, with help of following steps, which will give you a clear understanding about JS Loops.

Challenge 1:

Steps:

- Open VS code.
- Select New File in the opened folder...
- Save the file in the appropriate folder/ create the folder and save the file with extension.
- Copy and Add the below given code in the HTML file.

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>For Loop</title>
</head>
<body>
  <h2>JavaScript For Loop</h2>
  <p id="demo"></p>
  <script>
const chocolates = ["Cadbury", "M&M", "Snickers", "Ferrero rocher"];
let i = 0;
let length = chocolates.length;
let text = "";
for (; i < length; ) {
  text += chocolates[i] + "<br>";
  i++;
}
document.getElementById("demo").innerHTML = text;
</script>
</body>
</html>
```

- View the file in the browser, by right click on the file name in the left pane.
- View of file in browser.

JavaScript For Loop

Cadbury
M&M
Snickers
Ferrero rocher

Challenge 2:

Steps:

- Open VS code.
- Select New File in the opened folder...
- Save the file in the appropriate folder/ create the folder and save the file with extension.
- Copy and Add the below given code in the HTML file.

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>For In Loop</title>
</head>
<body>
  <h2>JavaScript For In Loop</h2>
  <p id="demo"></p>
  <script>
const courses_offered = {c1:"C", c2:"C++", c3:"Java", c4:"Python"};
let text = "";
for (let x in courses_offered) {
  text += courses_offered[x] + "<br>";
}
document.getElementById("demo").innerHTML = text;
</script>
</body>
</html>
```

- View the file in the browser, by right click on the file name in the left pane.
- View of file in browser.

JavaScript For In Loop

C
C++
Java
Python

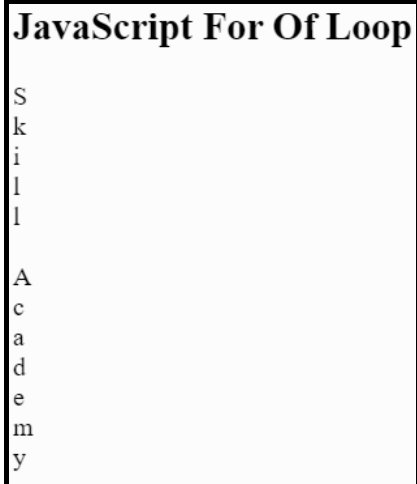
Challenge 3:

Steps:

- Open VS code.
- Select New File in the opened folder...
- Save the file in the appropriate folder/ create the folder and save the file with extension.
- Copy and Add the below given code in the HTML file.

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>For Of Loop</title>
</head>
<body>
<h2>JavaScript For Of Loop</h2>
<p id="demo"></p>
<script>
let language = "Skill Academy";
let text = "";
for (let x of language) {
  text += x + "<br>";
}
document.getElementById("demo").innerHTML = text;
</script>
</body>
</html>
```

- View the file in the browser, by right click on the file name in the left pane.
- View of file in browser.



Challenge 4:

Steps:

- Open VS code.
- Select New File in the opened folder...
- Save the file in the appropriate folder/ create the folder and save the file with extension.
- Copy and Add the below given code in the HTML file.

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>While Loop</title>
</head>
<body>
  <h2>JavaScript While Loop</h2>
  <script>
let str = "";
let i = 0;
while (i < 5) {
  str += "<br>The number is " + i;
  i++;
}
document.write(str);
</script>
</body>
</html>
```

- View the file in the browser, by right click on the file name in the left pane.
- View of file in browser.

JavaScript While Loop

```
The number is 0
The number is 1
The number is 2
The number is 3
The number is 4
```

Challenge 5:

Steps:

- Open VS code.
- Select New File in the opened folder...
- Save the file in the appropriate folder/ create the folder and save the file with extension.
- Copy and Add the below given code in the HTML file.

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>Do while</title>
</head>
<body>
<h2>JavaScript Do While Loop</h2>
<script>
let str = ""
let i = 0;
do {
  str += "<br>The number is " + i;
  i++;
}
while (i < 5);
document.write(str);
</script>
</body>
</html>
```

- View the file in the browser, by right click on the file name in the left pane.
- View of file in browser.

JavaScript Do While Loop

```
The number is 0  
The number is 1  
The number is 2  
The number is 3  
The number is 4
```

Challenge 6:

With your knowledge gained on JS Loops prepare a code that gives the following output.

Hint:

- It should be a nested loop i.e loop2 should be inside loop1.

JavaScript Loops

```
1  
1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5
```

Process for Submission

Please share your assignment files via this [Google Form](#) before the deadline (23rd April, 2022 11:59 pm).

Steps to submit the assignment:

1. Login to your github account.
2. Create a repository(remote) in github.

Owner * / Repository name *

Great repository names are short, lowercase, and don't contain spaces. Your new repository will be created as username/sturdy-barnacle?

Description (optional)
This is my first website creation project

☒ Public
Anyone on the internet can see this repository. You choose who can commit.

☐ Private
You choose who can see and commit to this repository.

Initialize this repository with:
Skip this step if you're importing an existing repository.

☒ Add a README file
This is where you can write a long description for your project. [Learn more.](#)

☐ Add .gitignore
Choose which files not to track from a list of templates. [Learn more.](#)

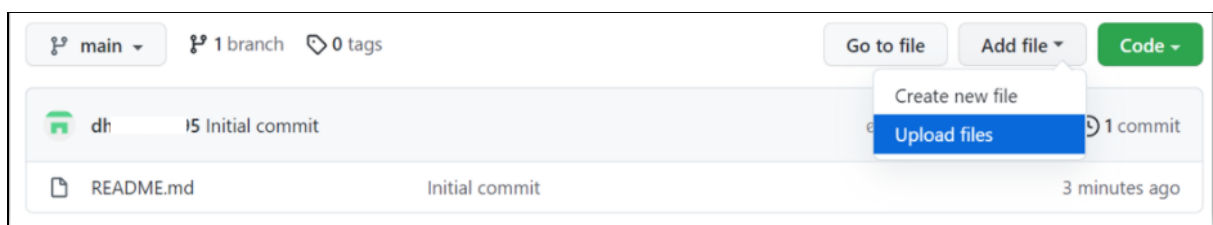
☐ Choose a license
A license tells others what they can and can't do with your code. [Learn more.](#)

This will set main as the default branch. Change the default name in your [settings](#).

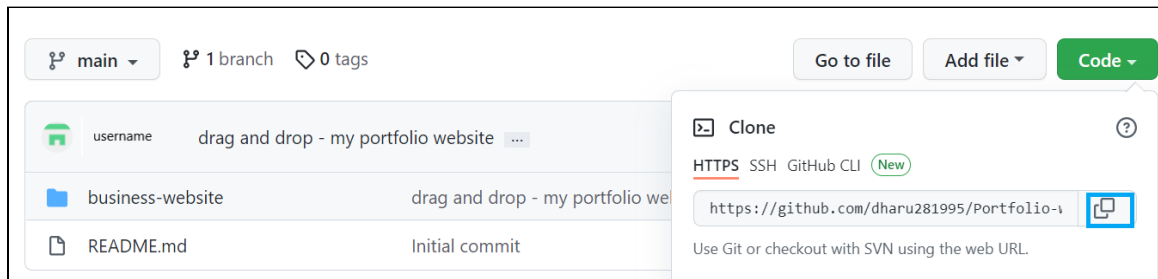
Create repository

3. Push your complete project folder to your git repository or you can upload files manually.

```
$ git push -u origin master
```



4. Copy the shareable link.



5. Open the [Google Form](#).
6. Enter your email id, name.
7. Select the name of the assignment.
8. Add your project github link in the form.

Github Link *

Your answer

9. Click on the submit button.

