2.3 While Loop

This section will guide you to:

- Understand how to use While Loop

Development Environment:

- Java 1.8
- Eclipse

This guide has three subsections, namely:

2.3.1 Creating a java class in eclipse

2.3.2 Executing the program

2.3.3 Pushing the code to your GitHub repositories

Step 2.3.1: Creating a java class in eclipse

The while loop in Java is used to iterate a part of the program several times. If the number of iterations is not fixed, it is recommended to use a While Loop.

- Open Eclipse
- Click on File---> Click on New--->Project
- Select the Java project and click on Next
- Enter the project name and click on Finish
- Right click on Project---> New---> Package
- Enter the package name ---> Finish
- Right click on Package---> New---> Class
- Enter the class name---> click on Finish

Step 2.3.2: Executing the program

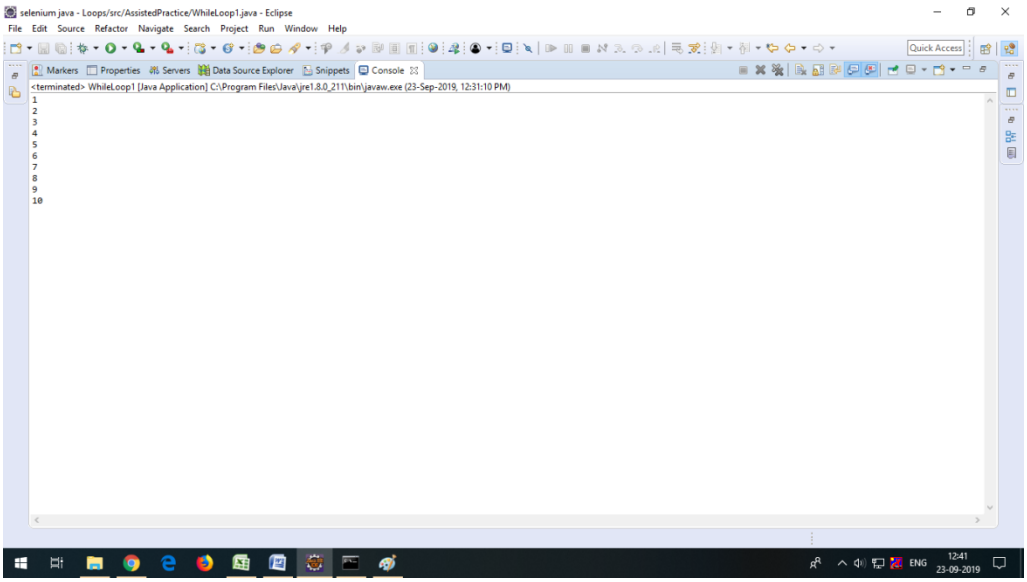
- Write the program for a while loop and click on Save.

```
package AssistedPractice;

public class WhileLoop1
{
```

```
public static void main(String[] args)
{
    int i=1;
    while(i<=10){
        System.out.println(i);
    i++;
    }
}
}
```

- Click on Run and check the output in the console.



Step 2.3.3: Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd java_program

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add .

Commit the changes using the following command:

git commit . -m “Changes have been committed.”

Push the files to the folder you initially created using the following command:

git push -u origin master