**Post-Test**

**PLT**

**Q1.** Write an algorithm to find the factorial of given number.

Ans)

Step 1: Factorial(number):

Step 2: SET Fact = 1 and i=1

Step 3: WHILE i<=number

Step 4: SET Fact = Fact \*i

Step 5: SET i=i+1

Step 6: END WHILE

Step 7: PRINT Fact

Step 8: END

**Q2.** Write pseudocode to generate the Fibonacci Sequence upto to the given number.

Ans)

Step 1: Fibonacci(number):

Step 2: SET first =0, second = 1 and i=2

Step 3: PRINT first and second

Step 4: WHILE (i<number):

Step 5: SET next = first + second and

Step 6: PRINT next

Step 7: SET first = second

Step 8: SET second = next and i = i+1

Step 9 : END WHILE

Step 10: END

**Q3.** Write pseudocode to display the number of digits in a given number.

Ans)

Step 1: NumberOfDigits(number):

Step 2: SET count =0

Step 3: WHILE (number >0):

Step 4: SET count = count +1 and

Step 5: SET number = number/10

Step 6: END WHILE

Step 7: Print count

Step 8: END

**Git**

**Q5.**

1. Create a remote git hub repository using Git Hub*. (you can use any email id for creating)*

GitHub Repository :

<https://github.com/Navanishwara/test.git>

1. Clone the repository on your local machine.

$ git clone https://github.com/Navanishwara/PostAssignment.git

1. Using *git config*, set the username & email to your name and your CT email id respectively.

$ git config --global user.name "Navanishwara"

$ git config --global user.email "malave.navanishwara@tavant.com"

1. Create two empty text files named **f1.txt** and **f2.txt** inside the cloned repository.

$ touch f1.txt f2.txt

1. Commit and push the changes to the remote repository.

$ cd C:

$ mkdir postAssign

$ cd postAssign

$ git init

$ git add .

$ git commit -m "updated"

$ git remote add Origin https://github.com/Navanishwara/test.git

$ git remote set-url origin https://github.com/Navanishwara/test.git

$ git push origin master

1. Check the status of the local repo.

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

f1.txt

f2.txt

nothing added to commit but untracked files present (use "git add" to track)

1. Go to the remote repository & check what files are present.

PostAssisgnment

F1.txt

F2.txt

1. Add some text in **f2.txt** and save the changes.

F2.txt

text in f2.

Lerning the git commands

1. Check the status of the local repo.

$ git status

On branch master

nothing to commit, working tree clean

1. Go to the remote repository & check the contents of **f2.txt.** What do you see and why?

I can see the f2.txt which I have added in the local repository . Because I have push it into my remote repository.

1. Add the file **f2.txt** into staging.

$ git add .

1. Check the status of the local repo.

$ git status

On branch master

nothing to commit, working tree clean

1. Go to the remote repository & check the contents of **f2.txt.** What do you see and why?

The content which I have added in the f2.txt in my local repository can see in the my GitHub.

1. Use appropriate Git commands to push the changes to the remote repository.

$ git commit -m updated

$ git push origin master

Q6.

GitHub Repository:

<https://github.com/shreyy-14/Team-repository.git>