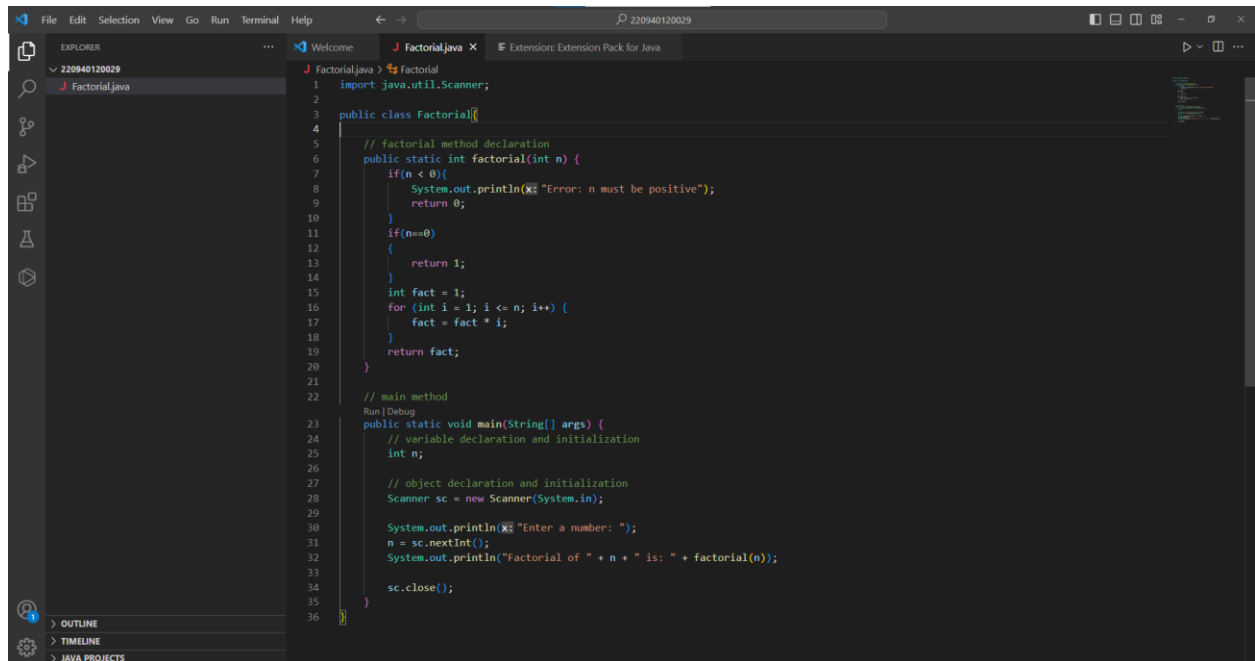


Question 1 :

Factorial.java



```
1  import java.util.Scanner;
2
3  public class Factorial{
4
5      // factorial method declaration
6      public static int factorial(int n) {
7          if(n < 0){
8              System.out.println("Error: n must be positive");
9              return 0;
10         }
11         if(n==0)
12         {
13             return 1;
14         }
15         int fact = 1;
16         for (int i = 1; i <= n; i++) {
17             fact = fact * i;
18         }
19         return fact;
20     }
21
22     // main method
23     public static void main(String[] args) {
24         // variable declaration and initialization
25         int n;
26
27         // object declaration and initialization
28         Scanner sc = new Scanner(System.in);
29
30         System.out.println("Enter a number: ");
31         n = sc.nextInt();
32         System.out.println("Factorial of " + n + " is: " + factorial(n));
33
34         sc.close();
35     }
36 }
```


## Create a remote repository on GitHub

### Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner \*


Repository name \*


/ Cdac029 

Great repository names are short and memorable. Need inspiration? How about [ideal-fortnight?](#)

Description (optional)

lab evaluation

☒  **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.](#)

.gitignore template: **None**

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

License: **None**

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


 You are creating a public repository in your personal account.





Create repository

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## Remote repository created

 [Cdac029](#) Public

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 master


1 branch

0 tags

Go to file


Add file

 Code

 Initial commit

101e18d 3 minutes ago

1 commit

 README.md

Initial commit

3 minutes ago


README.md


Cdac029


lab evaluation


**About**

lab evaluation

 README

 0 stars

 1 watching

 0 forks

**Releases**

No releases published

[Create a new release](#)

**Packages**

No packages published

[Publish your first package](#)

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# Generate Personal Access Token

Settings / Developer settings

GitHub Apps

OAuth Apps

Personal access tokens

Fine-grained tokens

Tokens (classic)

Personal access tokens (classic)

Generate new token

Revoke all

Tokens you have generated that can be used to access the GitHub API.

token for practice, lab — delete\_repo, repo

Expired on Fri, Feb 24 2023.

Last used within the last week

Delete

Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.

Settings / Developer settings

GitHub Apps

OAuth Apps

Personal access tokens

Fine-grained tokens

Tokens (classic)

New personal access token (classic)

Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.

Note

lab evaluation

What's this token for?

Expiration \*

Custom...

03/01/2023

Select scopes

Scopes define the access for personal tokens. Read more about OAuth scopes.

☒ repo

Full control of private repositories

☐ repo:status

Access commit status

☐ repo:deployment

Access deployment status

☐ public\_repo

Access public repositories

☐ repo:invite

Access repository invitations

☐ security\_events

Read and write security events

☐ workflow

Update GitHub Action workflows

☐ write\_packages

Upload packages to GitHub Package Registry

☐ read\_packages

Download packages from GitHub Package Registry

☒ delete\_packages

Delete packages from GitHub Package Registry

☐ admin:org

Full control of orgs and teams; read and write org projects

☐ write:org

Read and write org and team membership; read and write org projects

☐ read:org

Read org and team membership; read org projects

☐ manage\_runners:org

Manage org runners and runner groups

☐ admin:public\_key

Full control of user public keys

Some of the scopes you've selected are included in other scopes. Only the minimum set of necessary scopes has been saved.

X

Settings / Developer settings

GitHub Apps

OAuth Apps

Personal access tokens

Fine-grained tokens

Tokens (classic)

Personal access tokens (classic)

Generate new token

Revoke all

Tokens you have generated that can be used to access the GitHub API.

Make sure to copy your personal access token now. You won't be able to see it again!

ghp\_xbE8E0WfS6gAxcL8FK0yTd3KRbZYd2G150b

Delete

token for practice, lab — delete\_repo, repo

Expired on Fri, Feb 24 2023.

Last used within the last week

Delete

Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.

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About

# to initialize git in the directory

Git Bash : git init

```
MINGW64; c:/Users/Administrator/Desktop/220940120029
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git init
Initialized empty Git repository in C:/Users/Administrator/Desktop/220940120029/.git/
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$
```

# to add all files in current directory to the staging area

Git Bash : git add .

```
MINGW64; c:/Users/Administrator/Desktop/220940120029
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git init
Initialized empty Git repository in C:/Users/Administrator/Desktop/220940120029/.git/
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git add .
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$
```

# commit to local repo

Git Bash : git commit -m "Initial Commit for Factorial.java"

```
MINGW64; c:/Users/Administrator/Desktop/220940120029
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git init
Initialized empty Git repository in C:/Users/Administrator/Desktop/220940120029/.git/
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git add .
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git log
fatal: your current branch 'master' does not have any commits yet
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git commit -m "Initial Commit for Factorial.java"
[master (root-commit) c71e326] Initial Commit for Factorial.java
1 file changed, 36 insertions(+)
create mode 100644 Factorial.java
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$
```

# add remote repository

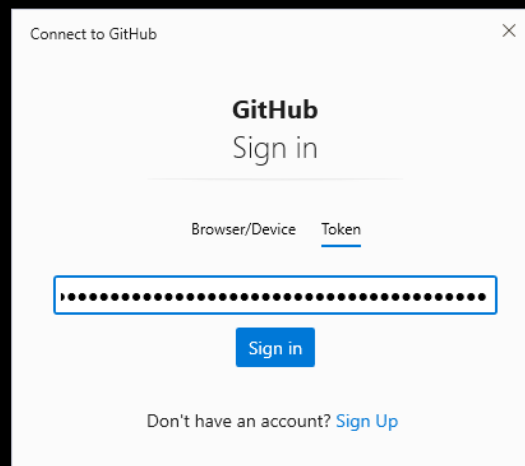
Git Bash : git remote add origin https://github.com/[redacted]/Cdac029.git

```
MINGW64; c:/Users/Administrator/Desktop/220940120029
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git init
Initialized empty Git repository in C:/Users/Administrator/Desktop/220940120029/.git/
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git add .
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git log
fatal: your current branch 'master' does not have any commits yet
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git commit -m "Initial Commit for Factorial.java"
[master (root-commit) c71e326] Initial Commit for Factorial.java
1 file changed, 36 insertions(+)
create mode 100644 Factorial.java
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git remote add origin https://github.com/Anchal-Panda/Cdac029.git
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ |
```

# push to remote repository after login through token

Git Bash : git push -u origin master

```
MINGW64/c/Users/Administrator/Desktop/220940120029
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git config --global user.name " "
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git config --global user.email " "
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git add .
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git commit -m "commit after removing previous user"
On branch master
nothing to commit, working tree clean
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git push -u origin master
```



```
DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git fetch origin

DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git merge origin master
merge: origin - not something we can merge

DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git merge master
Already up to date.

DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git push -u origin master
To https://github.com/ /Cdac029.git
 ! [rejected]        master -> master (non-fast-forward)
error: failed to push some refs to 'https://github.com/Anchal-Panda/Cdac029.git'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. Integrate the remote changes (e.g.
hint: 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$ git push -f origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 1.02 KiB | 520.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/ /Cdac029.git
 + 101a90d...24ee581 master -> master (forced update)

DAC40+Administrator@dac40 MINGW64 ~/Desktop/220940120029 (master)
$
```

## Files pushed to remote repository

The screenshot shows a GitHub repository page for a user named 'Cdac029'. The repository is public and has 0 stars, 1 watcher, and 0 forks. The main content area displays a list of recent commits. The most recent commit is 'commit after removing previous user' by 'Cdac029', pushed 13 minutes ago. It includes two files: 'Dockerfile.txt' and 'Factorial.java'. Below the commit list, there is a blue box with the text 'Help people interested in this repository understand your project by adding a README.' and a green 'Add a README' button. On the right side, there are sections for 'About' (lab evaluation), 'Releases' (No releases published), and 'Packages' (No packages published).

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

Cdac029 Public

Pin Unwatch 1 Fork 0 Star 0

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 1 branch 0 tags Go to file Add file <> Code

Cdac029	commit after removing previous user	24e5b1 13 minutes ago	2 commits
Dockerfile.txt	commit after removing previous user	13 minutes ago	
Factorial.java	Initial Commit for Factorial.java	42 minutes ago	

Help people interested in this repository understand your project by adding a README. Add a README

About lab evaluation  
0 stars  
1 watching  
0 forks

Releases  
No releases published  
Create a new release

Packages  
No packages published  
Publish your first package