

Lab 1-CS 380: (Introduction to Software Engineering)
Spring 2023
Instructor: Solmaz Seyed Monir

Lab1 – GitHub - Install Eclipse to Run Java

Scoring: 20 pts

**Please complete Tutorials 1 and 2 before starting the lab assignment.
This assignment is an individual submission.**

Activity Results: This lab teaches you the following topics:

- ✓ To upload your **Intro to SE-LAB-Exercises** to the GitHub repository
- ✓ How to Download and Install Eclipse to Run Java

1. What are the steps involved in creating a new repository on GitHub, and how can you add files to it using the command line?

2. Create a repository and call it **CS-380-Intro-to-SE-SP-2023**.

3. How can you reverse a given number in Java, and what would be the code implementation for it?

Ex. Given Number

12345

Reverse Number

54321

How do I submit my assignment?

1. Answer each question in a word document. After that, capture a screenshot of your terminal with your code and output and paste it into a Word document, then save it as a PDF.

2. Make a folder in your host operating system called OS380 lab-assignments and save your first lab in that folder.

3. Upload your pdf file to your repository "**CS-380-Intro-to-SE-SP-2023**" from Tutorial 1 is in our repository for this class.



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The screenshot shows a GitHub repository interface. At the top, there are buttons for 'main', '1 branch', and '0 tags'. Below this, the repository name 'solmazsm Initial commit' is displayed. A list of files follows: 'LICENSE' and 'README.md', both marked as 'Initial commit'. The 'README.md' file is selected, showing its content: 'CS-380-Intro-to-SE-SP-2023'.

Step1: Git init

This screenshot shows the same GitHub repository page as before, but with the 'Code' dropdown menu open. The menu has two tabs: 'Local' and 'Codespaces'. Under the 'Local' tab, there are three options: 'Clone', 'Open with GitHub Desktop', and 'Open with Visual Studio'. The 'Clone' option is selected, showing the 'HTTPS' protocol and the repository URL: 'https://github.com/solmazsm/CS-380-Intro-to-S'. There is also a 'Download ZIP' option at the bottom of the menu.

Step2:

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The screenshot shows a GitHub repository page for 'solmazsm/CS-380-Intro-to-SE-SP-2023'. The README file is visible, titled 'CS-380-Intro-to-SE-SP-2023'. A terminal window is overlaid on the page, showing the following commands and output:

```

bash: cd: too many arguments
Solli@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring (master)
$ cd "C:\Users\Solli\Desktop\CS-380-Spring\week 1\lab"
Solli@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring/week 1/lab (master)
$ git init
Initialized empty Git repository in C:/Users/Solli/Desktop/CS-380-Spring/week 1/lab/.git/
Solli@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring/week 1/lab (master)
$ git remote add origin https://github.com/solmazsm/CS-380-Intro-to-SE-SP-2023.git

```

Below the terminal, a dropdown menu is open, showing options to 'Open with GitHub Desktop', 'Open with Visual Studio', and 'Download ZIP'. The URL 'https://github.com/solmazsm/CS-380-Intro-to-SE-SP-2023.git' is also visible.

```

Solli@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring (master)
$ cd "C:\Users\Solli\Desktop\CS-380-Spring\week 1\lab"
Solli@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring/week 1/lab (master)
$ git init
Initialized empty Git repository in C:/Users/Solli/Desktop/CS-380-Spring/week 1/lab/.git/
Solli@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring/week 1/lab (master)
$ git remote add origin https://github.com/solmazsm/CS-380-Intro-to-SE-SP-2023.git

```

Step3: git add .

```

Solli@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring/week 1/lab (master)
$ git add .
Solli@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring/week 1/lab (master)
$

```

Step3: git commit -a -m "first commit"





```

Solli@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring/week 1/lab (master)
$ git commit -a -m "first commit ISE lab"
[master (root-commit) e1052dc] first commit ISE lab
4 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 lab 1.docx
create mode 100644 lab 1.pdf
create mode 100644 ~$lab 1.docx
create mode 100644 ~WRL0808.tmp
Solli@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring/week 1/lab (master)
$

```



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 > CS-380-Spring > week 1 > lab >		
	Name	Date modified
	 .git	3/26/2023 10:21 AM
	 lab 1	3/26/2023 10:22 AM
	 lab 1	3/26/2023 10:11 AM

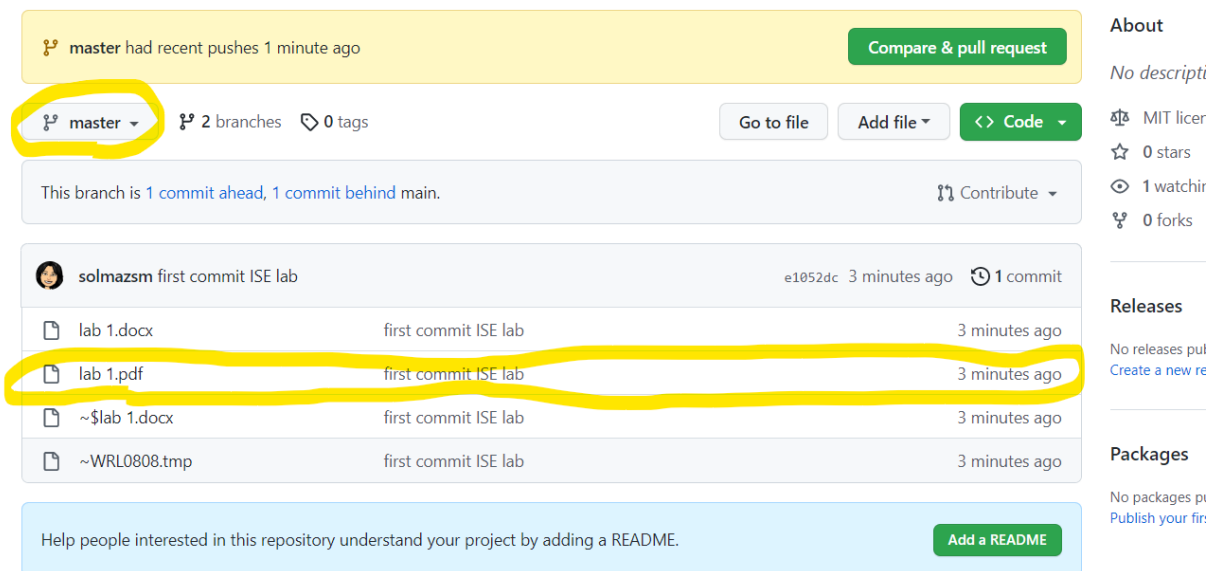
Step4: git push -u origin --all

```
Solil@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring/week 1/lab (master)
$ git push -u origin --all
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 12 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 255.95 KiB | 23.27 MiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/solmazsm/CS-380-Intro-to-SE-SP-2023/pull/new/master
remote:
To https://github.com/solmazsm/CS-380-Intro-to-SE-SP-2023.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

Solil@DESKTOP-00QMIVA MINGW64 ~/Desktop/CS-380-Spring/week 1/lab (master)
$ |
```



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master had recent pushes 1 minute ago [Compare & pull request](#)

master 2 branches 0 tags [Go to file](#) [Add file](#) [Code](#)

This branch is 1 commit ahead, 1 commit behind main. [Contribute](#)

solmazsm first commit ISE lab e1052dc 3 minutes ago 1 commit

File	Commit	Time
lab 1.docx	first commit ISE lab	3 minutes ago
lab 1.pdf	first commit ISE lab	3 minutes ago
~\$lab 1.docx	first commit ISE lab	3 minutes ago
~WRL0808.tmp	first commit ISE lab	3 minutes ago

Help people interested in this repository understand your project by adding a README. [Add a README](#)

About
No description

Releases
No releases published
[Create a new release](#)

Packages
No packages published
[Publish your first package](#)

4. Upload a URL repository to the canvas.

<https://github.com/solmazsm/CS-380-Intro-to-SE-SP-2023/blob/master/lab%201.pdf>

