

Assignment-3

Linux System and its Applications

Systems and Storage Laboratory

Department of Computer Science and Engineering

Chung-Ang University

Assignment-3: Shell Script & Git

❖ Shell script programming

- Implement a shell script that prints out the [multiplication table](#)
- The script takes two parameters
 - The first one indicates **the number of rows**
 - The second one indicates **the number of columns**
 - Both row and column **start from 1**
 - The script should validate inputs to make sure the user inputs are in the right range (e.g. positive integers)
- Use iteration, condition, and other statements
- Example

```
syslab@syslab-VirtualBox:~$ ./multi-table.sh 4 5
1*1=1  1*2=2  1*3=3  1*4=4  1*5=5
2*1=2  2*2=4  2*3=6  2*4=8  2*5=10
3*1=3  3*2=6  3*3=9  3*4=12 3*5=15
4*1=4  4*2=8  4*3=12 4*4=16 4*5=20
syslab@syslab-VirtualBox:~$ ./multi-table.sh
Invalid input
syslab@syslab-VirtualBox:~$ ./multi-table.sh -2 3
Input must be greater than 0
```

Assignment-3: Shell Script & Git

- ❖ **Upload your script file to any VCS hosting platform**
 - The platform can be GitHub, GitLab, or Bitbucket

- ❖ **Your report should contain the following contents:**
 - A screenshot of your **script code**
 - Screenshots of execution results. You need to choose **three different input cases**
 - A screenshot of your **local git repo commit log**
 - A screenshot of your **remote repository** page

- ❖ **Submit within pdf which includes all the 4 screenshots**
 - Make sure each screenshot includes your name and student id