Open-Source Software Practice

Weekly Assignment 8

Lecture Contents: Bash Programming

Task Description

The goal of this assignment is to write **a bash script (test_twoSum.sh) that grades the week 7 assignment**. The week 7 assignment was to write a function in the main.py file that solves the twoSum problem. The purpose of the test_twoSum.sh script you'll create in this assignment is to verify that the twoSum function in main.py works correctly against multiple test cases.

Tips & Specifications

Completed main.py (with twoSum function) and skeleton code for test_twoSum.sh are on iCampus (week_9_assignment_codes.zip).

- **Fill in the 'test_twoSum.sh' script**

- **Do not modify 'main.py'** (it's completed!)

After completing 'test_twoSum.sh' script, you can test the script by following:

```
~/SWE_2021_41_2024_2_week_9# bash test_twoSum_completed.sh
```

And the expected output is:

```
Test case 1: Passed / answer: [0, 1], Got: [0, 1]
Test case 2: Passed / answer: [1, 2], Got: [1, 2]
Test case 3: Passed / answer: [0, 1], Got: [0, 1]
3/3 test cases passed
```

Submission

1. Make a new **repository at GitHub** (**SWE_2021_41_2024_2_week_9)** which contains

'main.py' and 'test_twoSum.sh'.

2. Submit your Github ID (username) to icampus. **(Do not forget to do this)**

Evaluation

1. TA will grade the code by creating a copy of the student's repository at

 https://github.com/{YOUR_GITHUB_ID}/SWE_2021_41_2024_2_week_9

2. If TA cannot access the repository at that address or the name of the bash script is different, the assignment will not be graded.

3. TA will check the time when you committed and pushed lastly. The assignment uploaded after due date (24/10/30 23:59) will not be graded.

4. TA will check the **'test_twoSum.sh' script** whether it acts correctly.

Due date

24/10/30 23:59