SRIP Intern Evaluation Guide

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Introduction

This document describes the steps to evaluate your assigned intern's work on SRIP Scoreboard.

Process

There are two parts to the process of evaluating your intern's score. The first part needs to be done only once during your mentorship period or whenever there is change in the codebase which will be intimated to you by the SRIP coordinator. The second part is a continuous process for evaluating the interns that you are mentoring.

Part 1 : Getting code base/executable for calculating function points

Part 2 : Evaluating your Interns

Part 1 : Getting code base/executable for calculating function points

Source Code Repository for calculating function points- https://gitlab.com/srip-project/srip-scoreboard/tree/master

Steps to install the function point evaluator:

1. Please go to this link https://gitlab.com/srip-project/srip-scoreboard/tree/master/Evaluator-Codes

2. Download the four files(fpevaluator.py, script.py and codeit.sh, pull.sh), the four files can be downloaded together as a zip, tar file.

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Part 2 : Evaluating Your Interns

Document describe working of scoreboard: https://docs.google.com/document/d/1Gb8a5iFCmelmEeivzt7gXz8OMWzq6f_qiF5ZUxnYDnA/edit?usp=sharing

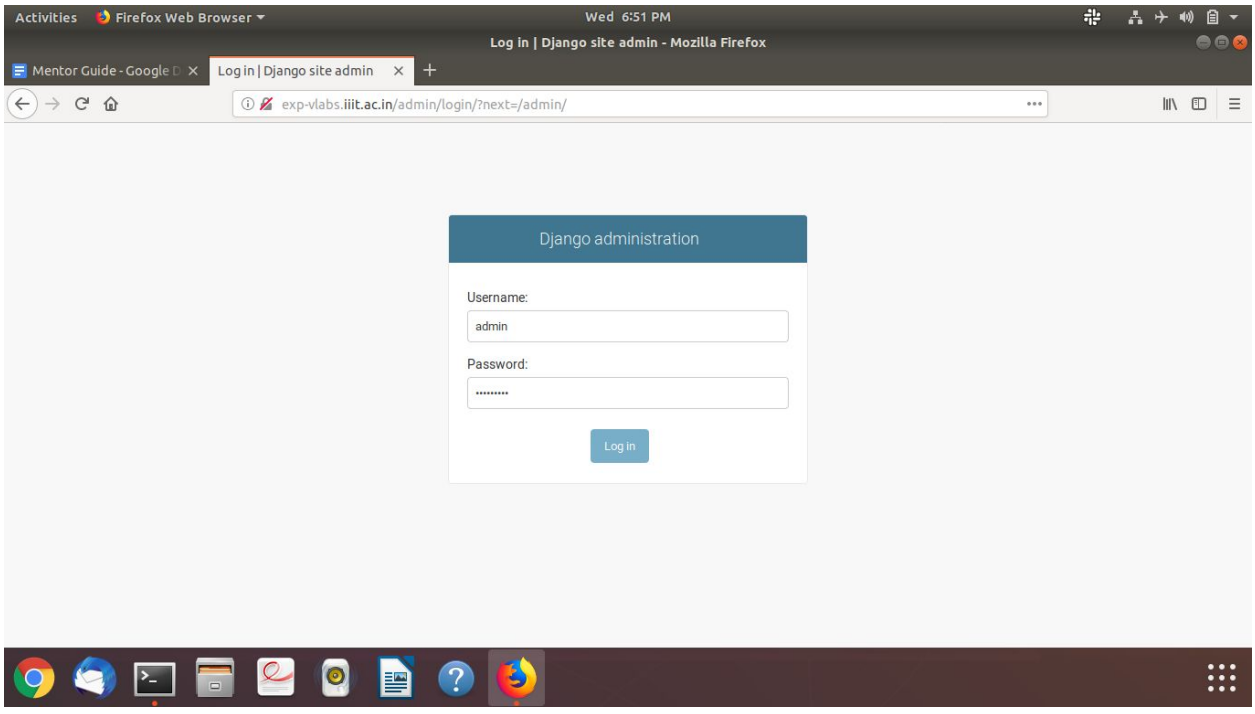
This part is a continuous process for evaluating the interns that you are mentoring.

Evaluating Your Interns

Step 0: Copy the four files i.e. script.py, codeit.sh, fpevaluator.py , pull.sh (which you have downloaded) that you downloaded in a zip folder and extract it to a new folder called “TEST” and then start evaluating.

The following are the steps to be followed to evaluating your interns and updating their work (function points and effort in hours) on SRIP Scoreboard.

Step 1: Go to http://srip.vlabs.ac.in/admin. Login with the following username and password.



Step 2 : Go to Logged issues for evaluating the commit. Select the intern and the commit to be evaluated.

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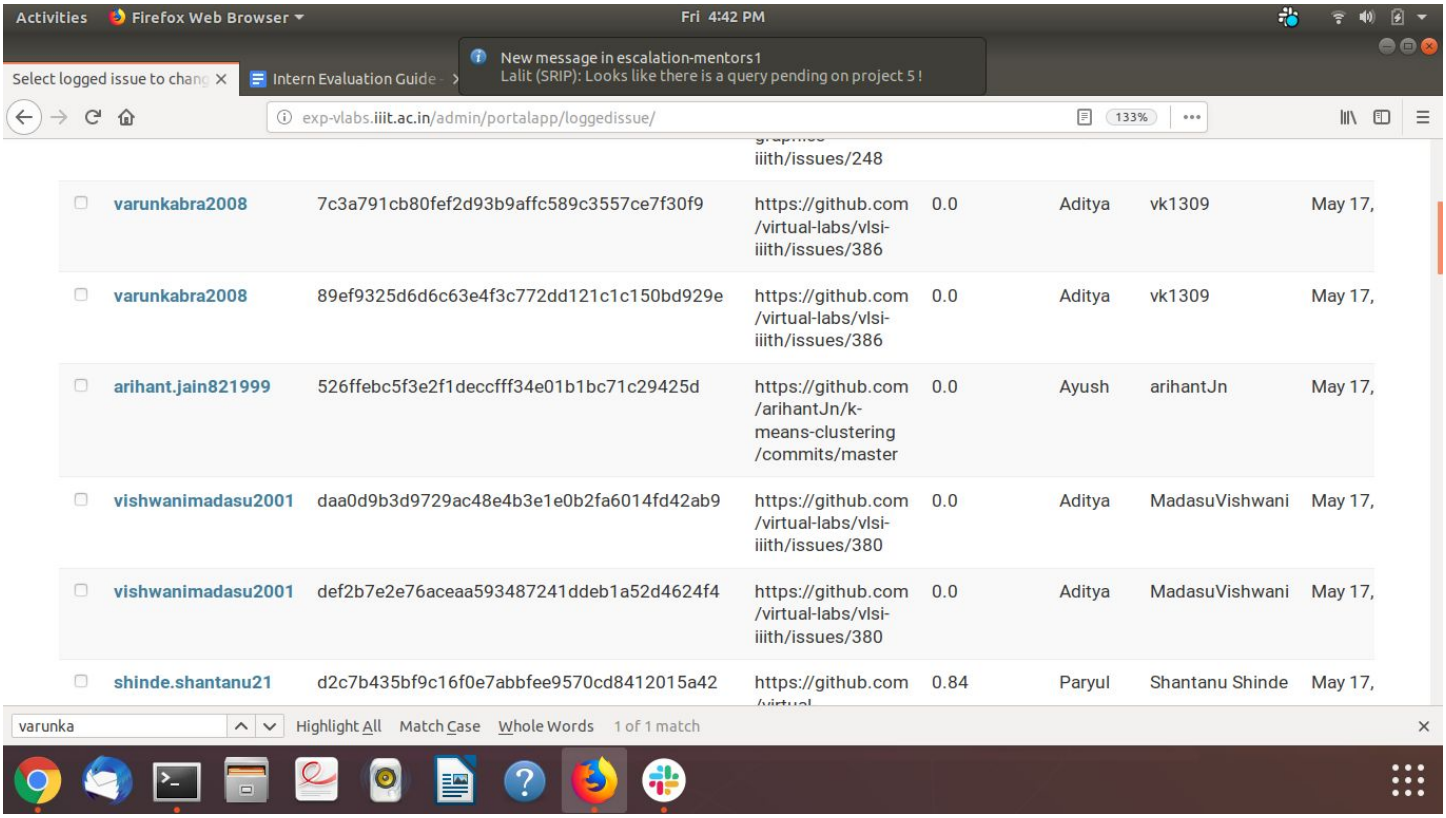

Step 3 : Check if you are the mentor for the selected intern

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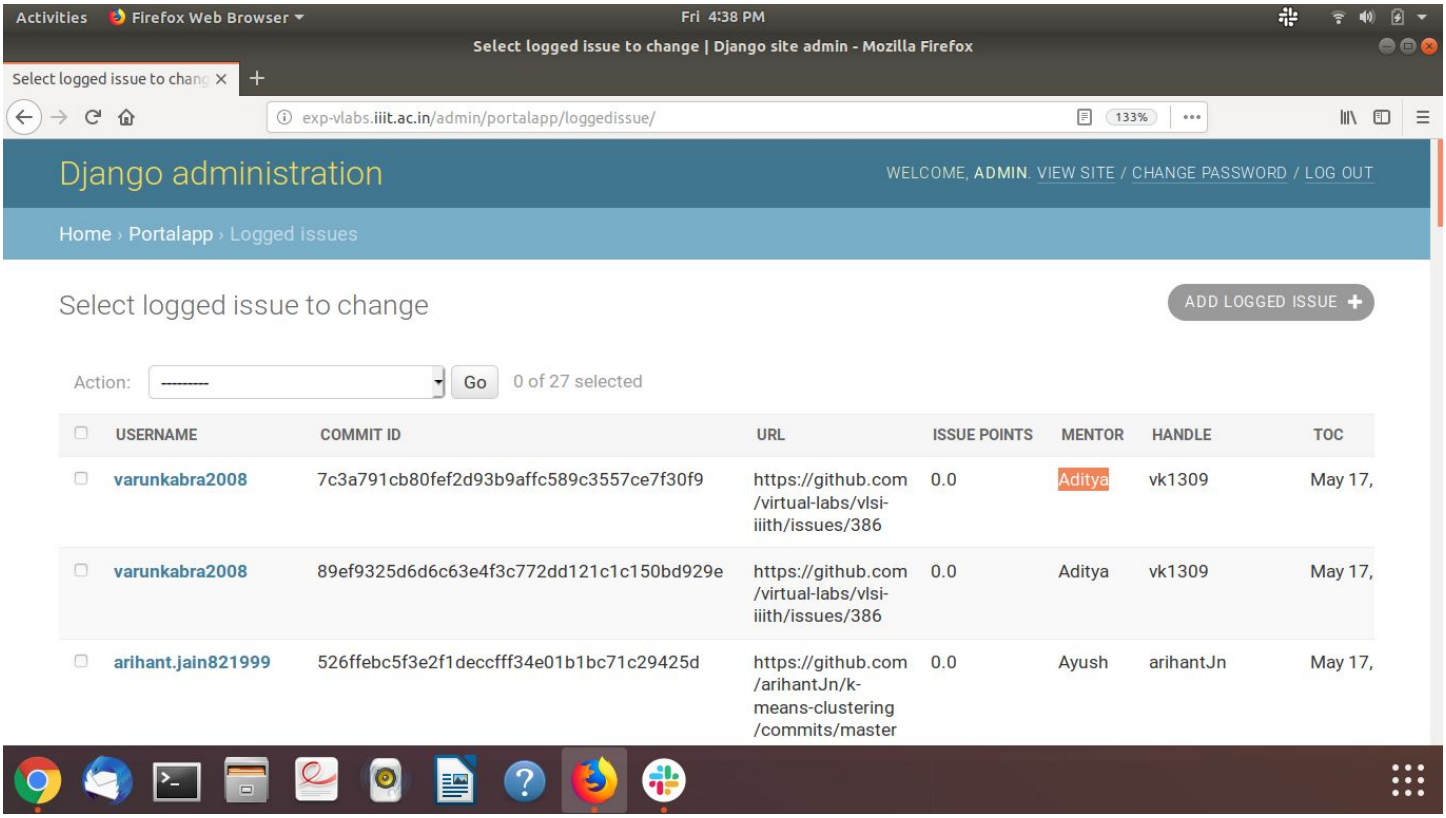

Step 4 : Run terminal where all the evaluator files are there(test folder).

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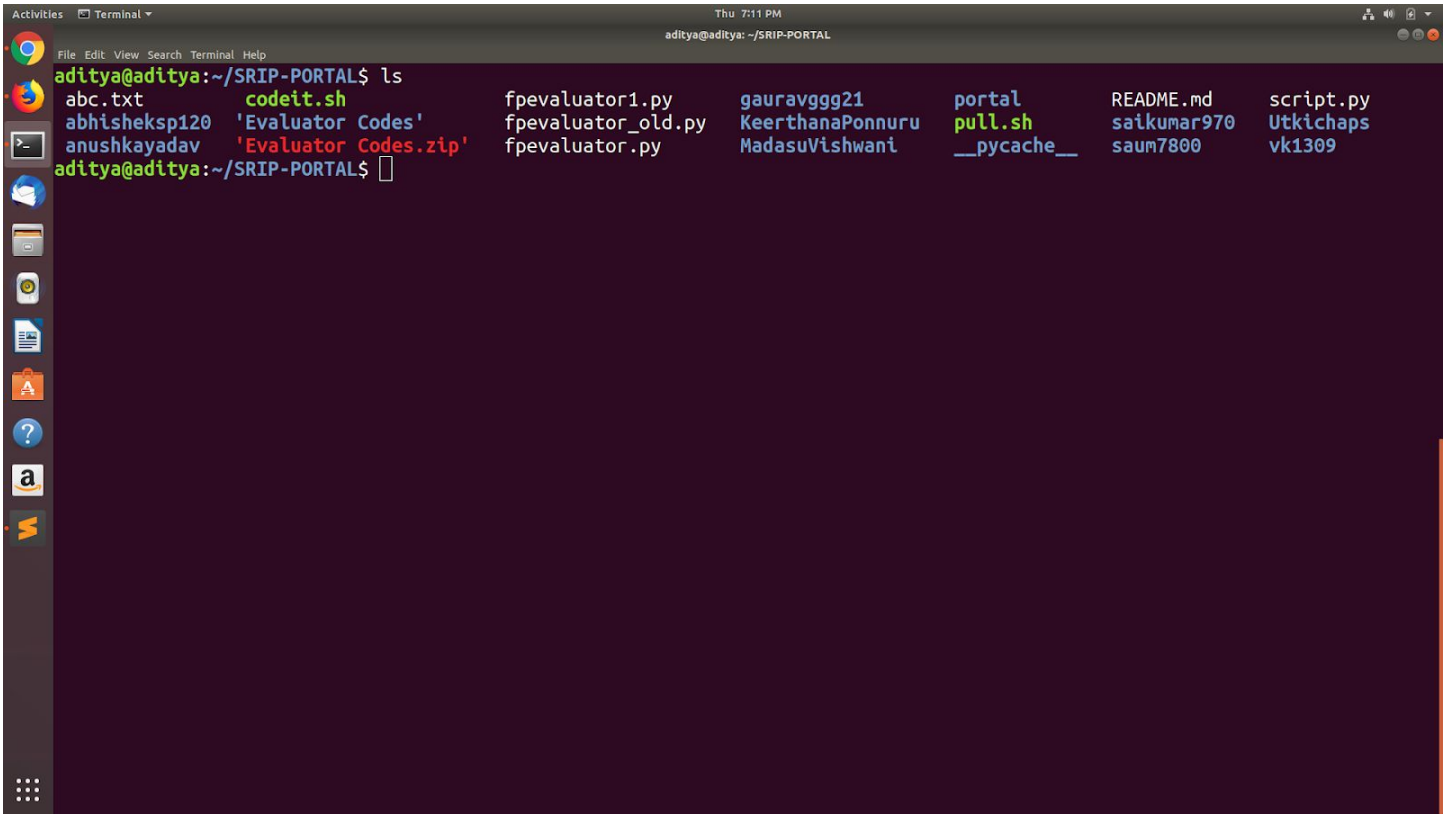

Step 5 : Type **chmod 777 codeit.sh pull.sh**.

Step 6 : ./codeit.sh takes in two arguments which you have to provide using this page(Only for the first time that a new user has committed on the portal)

- 1st argument - Github handle
- 2nd argument - Project number i.e. VLSI is project 4 so number 4(similarly for other projects you can get the number via slack or the project assignment doc)

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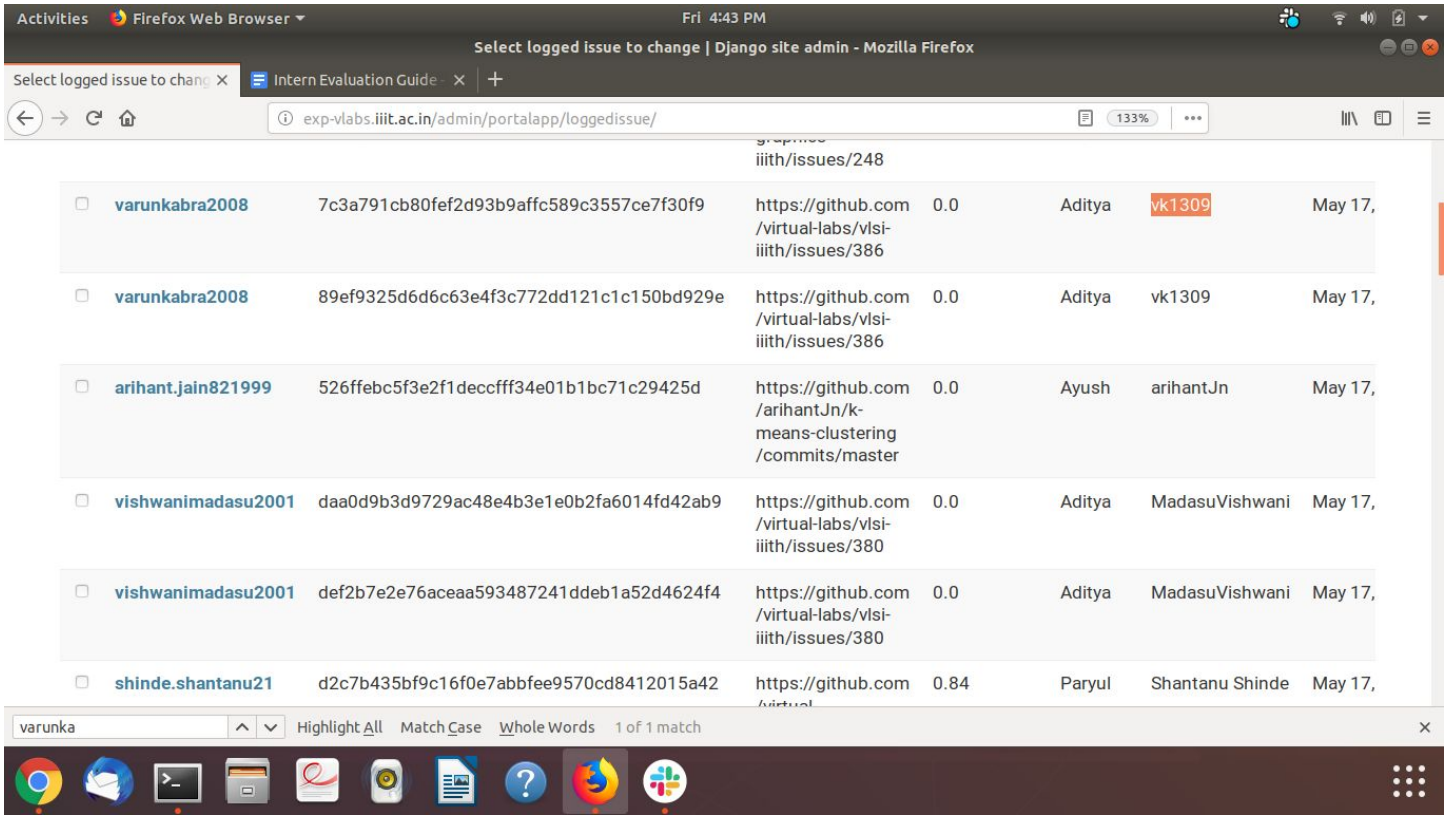
1st argument



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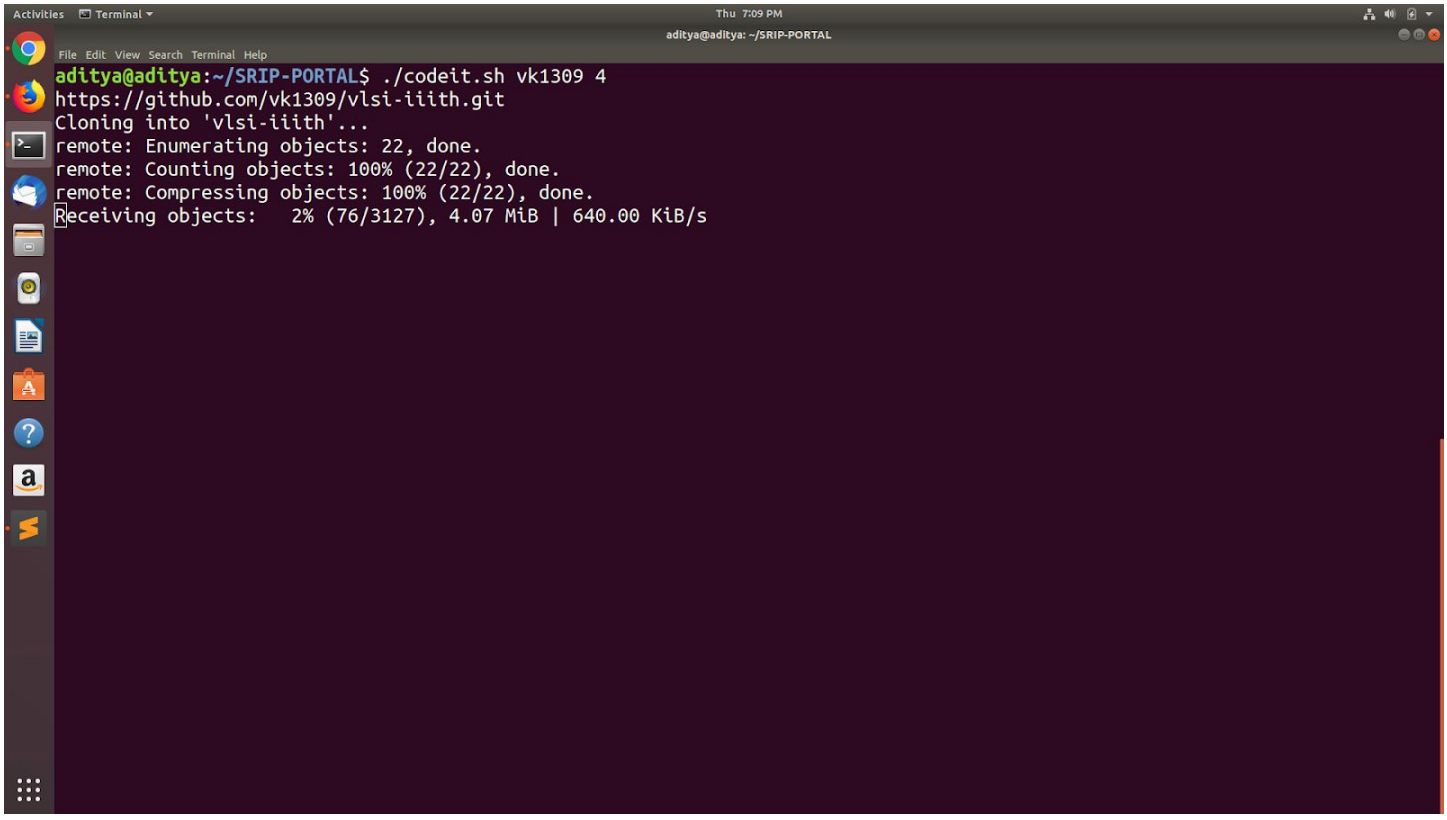
2nd argument



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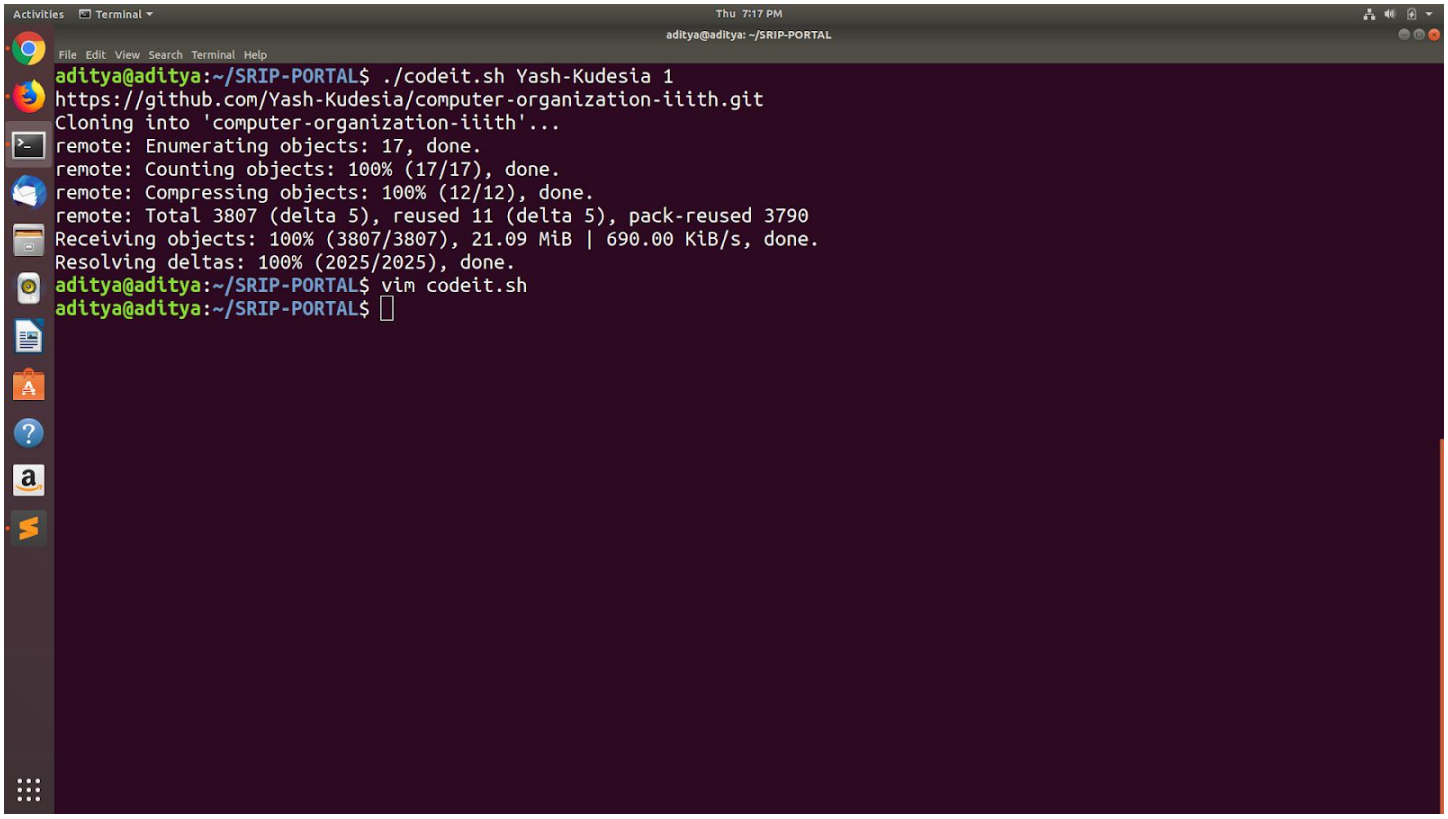
Step 7 : Run codeit.sh for the first time for a new user followed by the two arguments.



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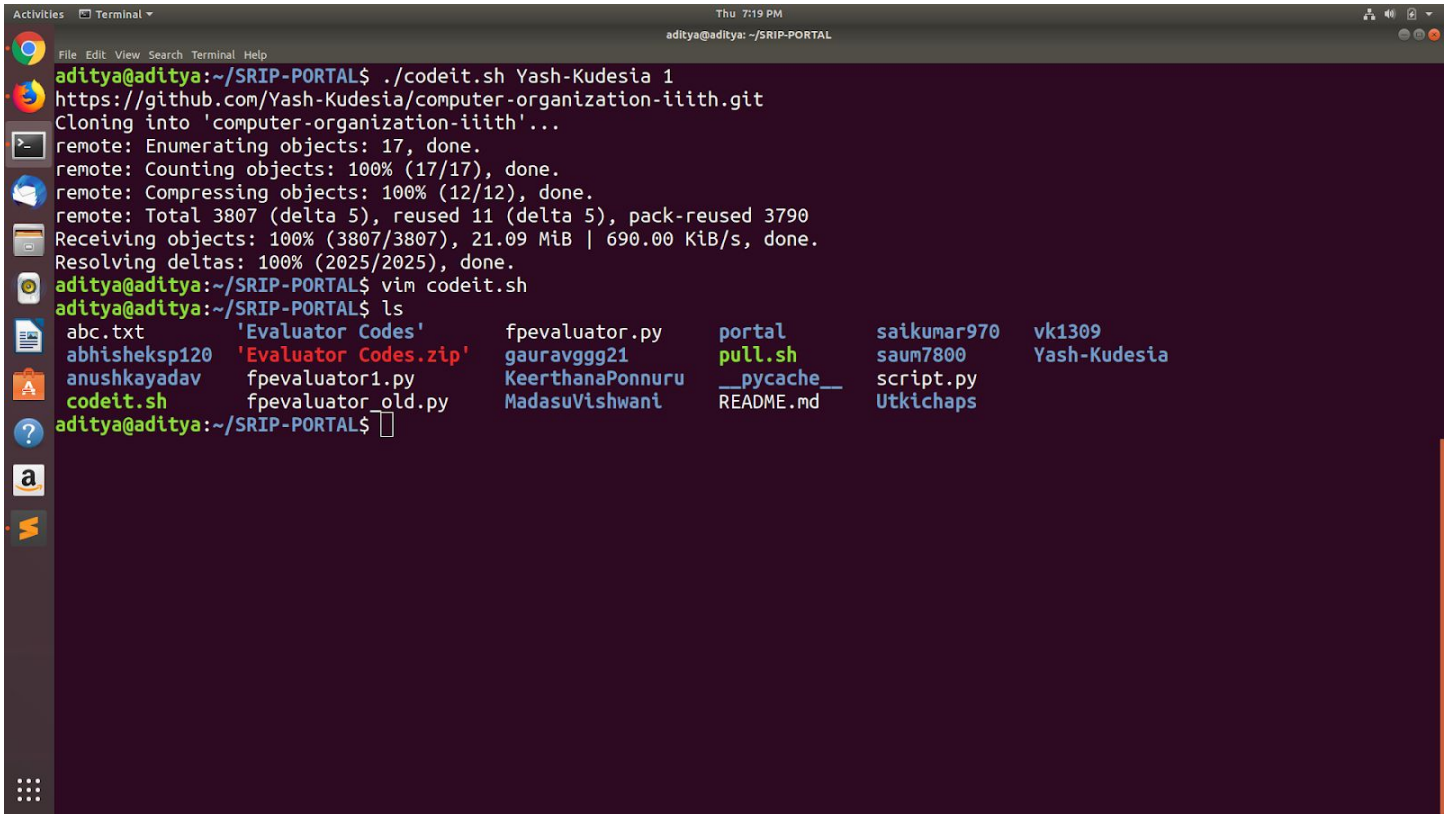

Step 8: Most important step as you will be using this continuously, once you use codeit to get the github repo of the student inside his github handle, the repo is now forever with you and you never have to use codeit.sh again. Now this is where pull.sh comes into play. Any new commit by the same intern whose directory you already have you just need to run pull.sh

The pull.sh file is a script that takes in the handle directory as input and a second input as the commit id and hard resets it to that commit id. So basically all code is evaluated till that commit id.

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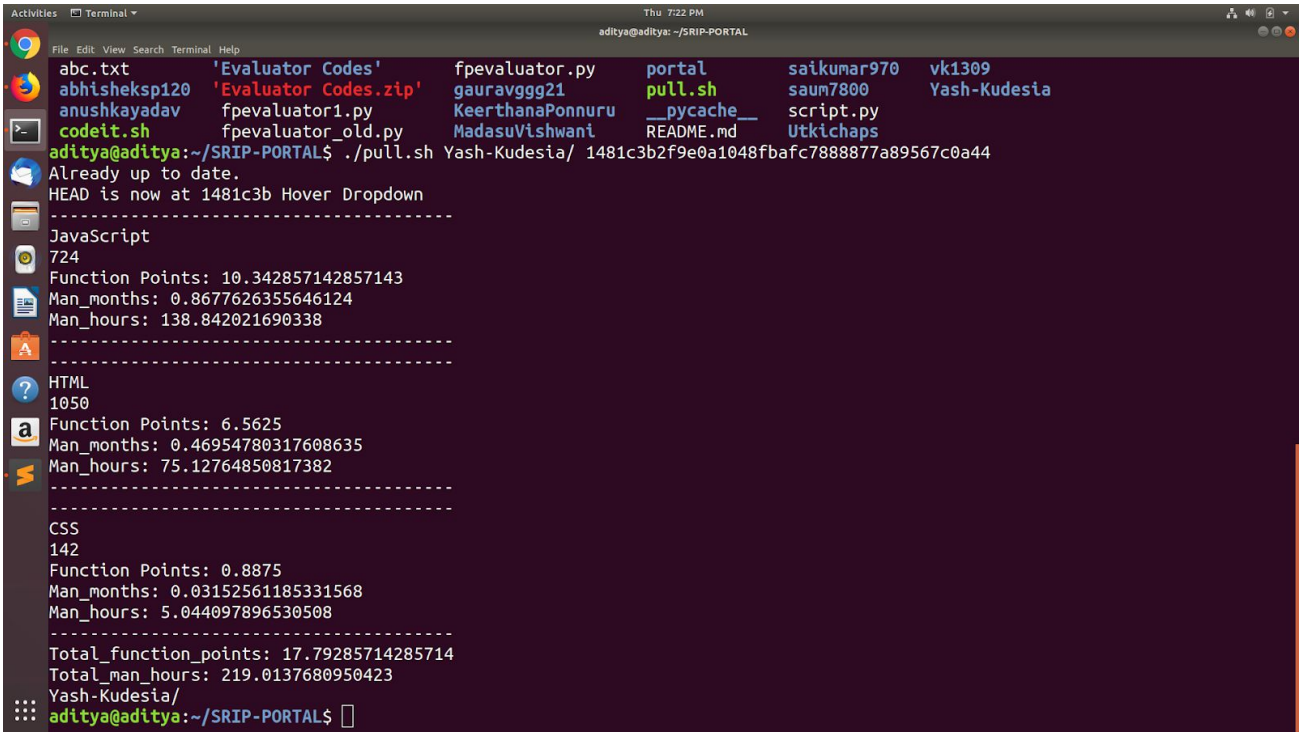

Step 8 : Take every function point from the output that will be shown when you run the file pull.sh and then click on user in the django admin page put it inside each respective box labelled html, css and js and then click on is added green tick should appear on the right and save it.

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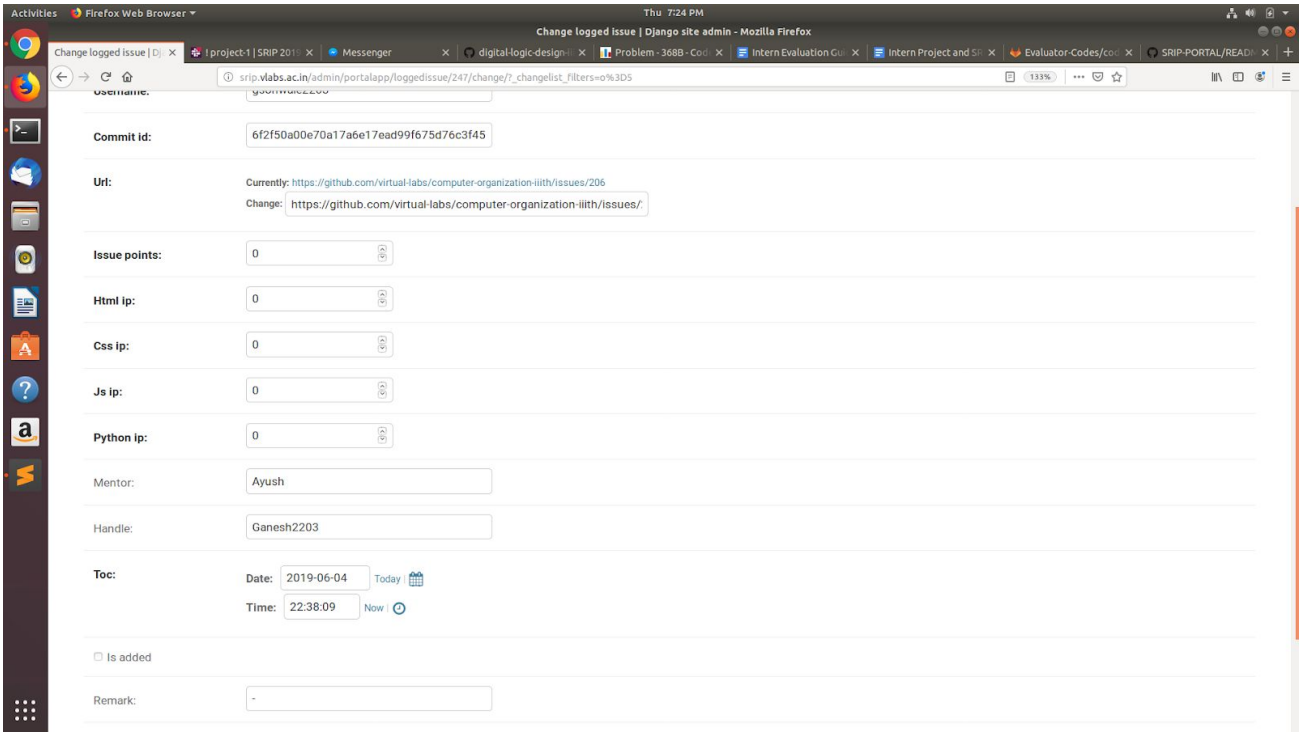

Step 9 : There is a remark box, if you get a file not found error during codeit running then you can type in the remark box about what to improve or otherwise also to give feedback about any improvement in the code if required.

Important: Step 10: The most important step to note is that the directory structure is extremely crucial as we have hardcoded this directory structure. So all code has to be put in Codes folder and all Libraries inside Libraries folder.

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Completion of the Experiment

Step 1: If the intern mentions that they have completed their experiment, then, first ask them the following questions:

1. Did you followed the coding standards?
2. Have you done static code analysis test, with the tools which we have suggested in coding standards?
3. Did you submitted all the commit ids in SRIP scoreboard portal?
4. Did you document ?

Step 2: If the answer to the above is no, then the mentors have to give the following instructions:

1. Code clean-up for coding standards, modularity including running against codacy, JLINT and W3C validators
2. Please write test cases
3. Please write Documentation
4. 4. Submit all the commit id's in SRIP scoreboard portal

Step 3: After that, please verify if the above are done correctly. Once, the changes are done to the mentor's satisfaction, then please log an issue to "Create dynamic quiz for every experiment". The quiz questions and choices have to come from DB/JSON and the order/count should be randomized. The answers should be displayed only on submission. For experiments that do not have quiz - please have them create quiz with support from mentor.

Step 4: If this work is also done, the interns need to support other interns doing conversions of the lab, before their next experiments are assigned

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