Name: Sohan Singh Saimbhi

Problem Solving Session

- The remainder of today's class will comprise the **problem solving session** (**PSS**).
- Your instructor will divide you into **teams of 3 or 4 students**.
- Each team will **work together** to solve the following problems over the course of **20-30 minutes**.
  - You may work on paper, a white board, or digitally as determined by your instructor.
  - You will submit your solution by pushing it to GitHub before the end of class.
- Your instructor will go over the solution before the end of class.
- Write your name on each completed sheet.
- Submit to the designated MyCourses' Dropbox.

Class participation is a significant part of your grade (20%). This includes in class activities and the problem solving session.

Your graders will grade your participation by verifying that you pushed your solutions before the end of the class period each day.

Problem 1

Making and overcoming mistakes is an essential part of problem solving.

Talk with your team and identify *at least three mistakes* that you made and overcame throughout any of the class activities in this unit. Did any of you make the same kind of mistake?

Be sure to describe specifically what you did to overcome each mistake. Did you look up the solution in the slides? Ask for help on the Discord server? Go to office hours? Something else?

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Never had a mistake!
But yes, did find the topic of git commit, git add etc. a little confusing?

Sorted it out by emailing Dr. Khalid and even discussing in class

 PS : The slides were extremely helpful

It consists of commit hash.

Helps us to revert back to that particular version.Every change made/ every version has its own unique commit hash.

It tells us the name of the author and from which account the change was made.

Helps us to know, who made the change.

It consists of the date and time the change was made.

It consists of a comment. It helps us to know what change was made in an easy way.

Problem 2

Each entry in a Git log contains 4 pieces of information.

Describe each piece of information and under which circumstances it might be useful.

Consider how the usefulness of the log would be affected by the the frequency of commits and the quality of the comments that you use when you commit to the repository.

Problem 3

Together with your team, brainstorm a solution for each of the situations/problems listed to the left.

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You continue a work in progress on a new computer.

Clone your repository from previous computer to the new computer and use git checkout HEAD.

You accidentally delete the file "important.txt".

Use git restore important.txt

You want to reuse a file from a previous assignment.

Use git checkout <hash of that particular version >

You want to throw away recent changes that you made to a file.

Use git restore

You forgot to push your solution before the assignment deadline.

You FAIL the assignment and it DOES NOT get uploaded on the remote repository(eg. GitHub) even if you have committed it.