Practise Quiz #1:

Note: The corresponding questions on Quiz #1 to be written the week of Oct 10 will test the same material as these questions, although the format will be different.

1.(a) Assume that you are working in a directory that is part of your local git repository. Write the sequence of commands that must be typed into the command line in order to accomplish the following:

1. pwd
2. vim Practice.txt
3. ls
4. git add Practice.txt
   git commit -m "add"
   git push origin master
5. git pull

- Check the name of the directory that you are in.
- Create a file named Practice.txt in the editor of your choice.
- View the list of files in the current directory to see if Practice.txt is listed.
- Use git to send Practice.txt to your remote repository. (This requires multiple commands.)
- Update your local repository to reflect changes made to the remote repository made by you and your teammate.

1.(b) Consider the contents of A.txt:

```
1.  Some words
2.  Some more words
```

Write the contents of two modified versions of this file, one created by User1 and the other by User2 so that when both users simultaneously upload their changes to the remote server using git, no conflict is created.

Then do the same thing, only this time so that the two versions of A.txt create a conflict on exactly three lines. On which lines are there conflicts?

2. Write two classes, Student and its subclass ComputerStudent. Give Student a public static method and a protected instance method, each accepting an integer (primitive) argument and outputting a boolean argument.

what does it mean

3. Write a short program that defines and give values to five primitive variables, each of a different type, and three objects of predefined classes, each of a different type. The program should then print the values of variables (both primitive and object) to the screen, each on a different line.