[CS200]-Software Tools and Technologies 2	**Fall 2020-21**

<div align="center">

Homework: 03

</div>

Name: Aayush Deshmukh   RollNo:11940010   email:aayushd@iitbhilai.ac.in

Collaborators Names: Shubham Gupta(11941140) and Santaz Sahithi(11940230)

Solution of question 4(i) :- When the urgency of creating a NewFunc branch came at that time the code for reverse zigzag traversal was unfinished. So we have to first **stash push** the unfinished code of reverse zigzag traversal so that we can retrieve it later.
Then after this we can go to new branch (NewFunc) and can work on the code for converting binary tree to binary search tree and commit it.So the sequence of commands to go back to master and retrieve the unfinished codes as follows :-

<div align="center">

git checkout master
git stash pop
git add zigzag.py
git commit -m "reverse zigzag"
git merge NewFunc

</div>

From this commands the unfinished work is retrieved and now we can finish it and commit it and then merge the Newfunc branch to master. Done.

Solution of question 4(ii) :- If we are working on three files simultaneously and all are unfinished in that case we can stash all three by commands :-

<div align="center">

git add "file1"
git stash push
git add "file2"
git stash push
git add "file3"
git stash push

</div>

With this the files are stashed and can be retreived later. Now we can move to NewFunc branch and complete the urgencgy and commit the binary search tree code file.After that the sequence of commands to go back to master and retrive two of them and remove the third one are as follows:-

<div align="center">

git checkout master
git stash list (it list all the files in stash with hash value)
git stash drop [Hash value of file to be deleted.]
Now to retreive two file use
git stash apply [hash value of file1 to retrieve]
git stash apply [hash value of file2 to retrieve]
git add "file1 and file2"
git commit -m "done"

</div>

In this way we can retrieve multiple files.