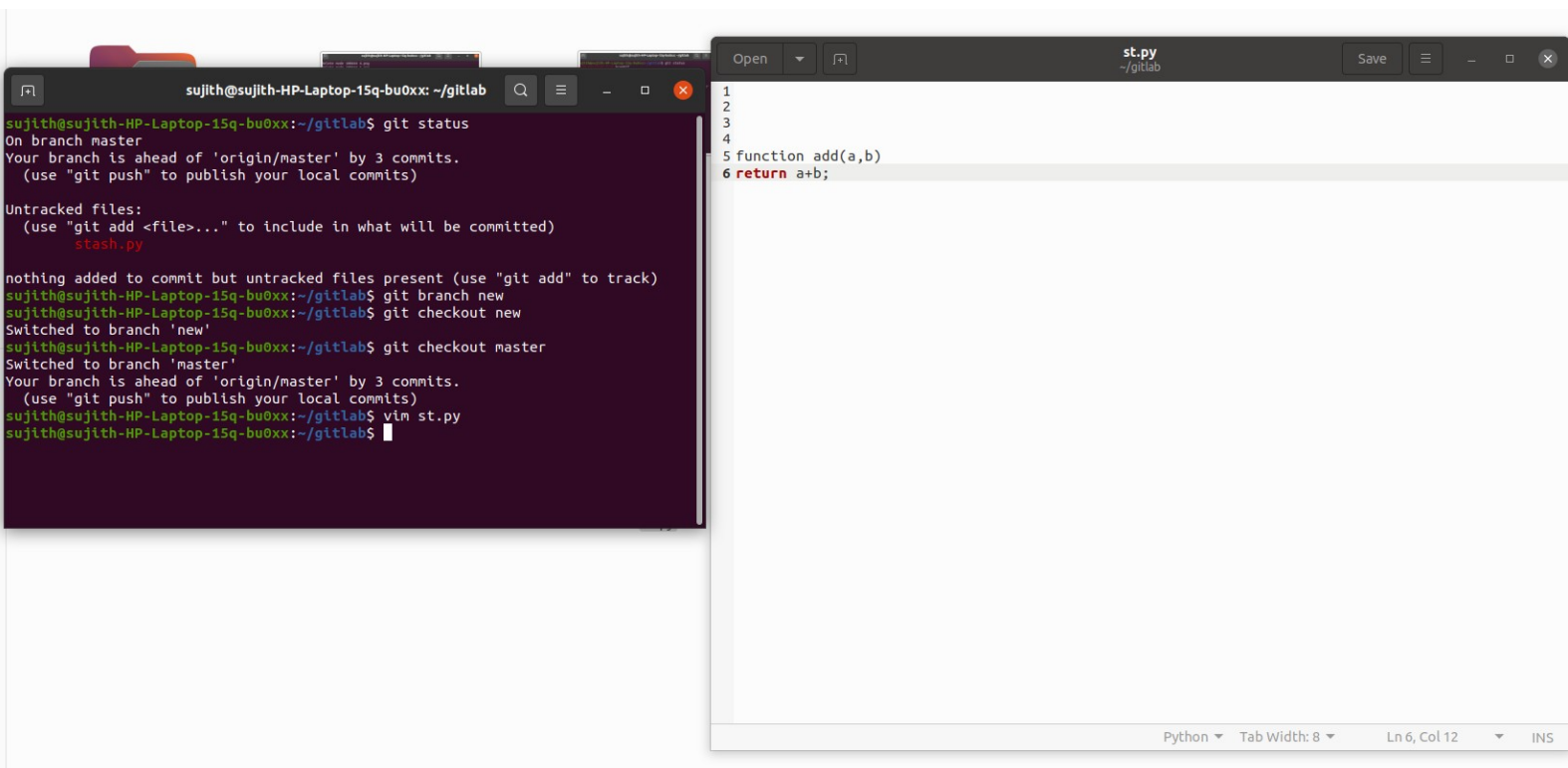


15/07/2021

RLMCA232 - System Design Lab

Aim :To Learn about git stash



The screenshot shows a terminal window on the left and a code editor on the right. The terminal window is titled 'sujith@sujith-HP-Laptop-15q-bu0xx: ~/gitlab' and displays the following commands and output:

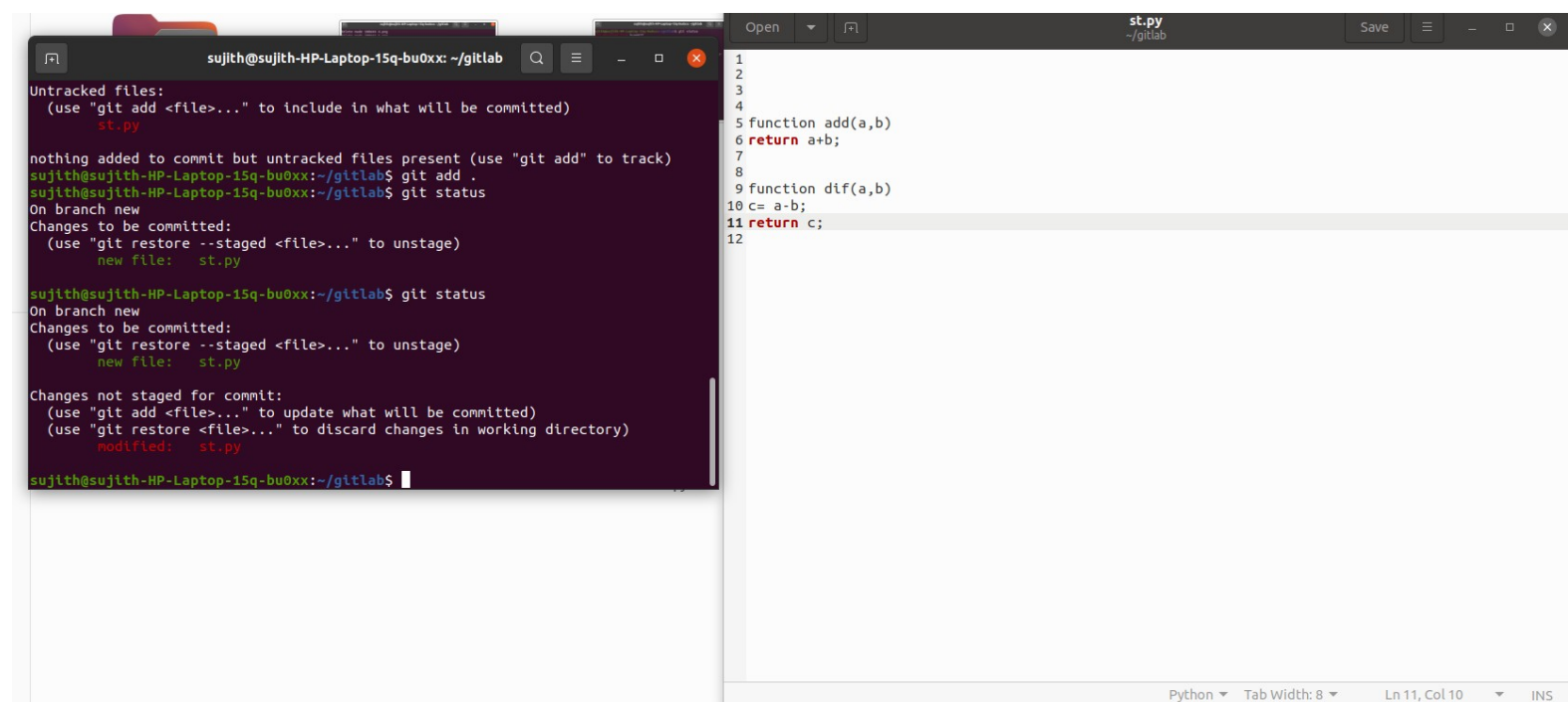
```
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch master
Your branch is ahead of 'origin/master' by 3 commits.
(use "git push" to publish your local commits)

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  stash.py

nothing added to commit but untracked files present (use "git add" to track)
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git branch new
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git checkout new
Switched to branch 'new'
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 3 commits.
(use "git push" to publish your local commits)
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ vim st.py
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$
```

The code editor on the right is titled 'st.py' and shows the following code:

```
1
2
3
4
5 function add(a,b)
6 return a+b;
```



The screenshot shows a terminal window on the left and a code editor on the right. The terminal window is titled 'sujith@sujith-HP-Laptop-15q-bu0xx: ~/gitlab' and displays the following commands and output:

```
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  st.py

nothing added to commit but untracked files present (use "git add" to track)
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git add .
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch new
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   st.py

sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch new
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   st.py

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   st.py

sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$
```

The code editor on the right is titled 'st.py' and shows the following code:

```
1
2
3
4
5 function add(a,b)
6 return a+b;
7
8
9 function dif(a,b)
10 c= a-b;
11 return c;
12
```

```

sujith@sujith-HP-Laptop-15q-bu0xx: ~/gitlab
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch new
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   st.py

sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch new
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   st.py

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   st.py

sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git stash save "modified diff funtion"
Saved working directory and index state On new: modified diff funtion
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch new
nothing to commit, working tree clean
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$

```

```

1
2
3
4
5 function add(a,b)
6   return a+b;
7
8
9 function dif(a,b)
10  c= a-b;
11  return c;
12

```

Python Tab Width: 8 Ln 11, Col 10 INS

```

modified:   st.py

sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git stash save "modified diff funtion"
Saved working directory and index state On new: modified diff funtion
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch new
nothing to commit, working tree clean
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 4 commits.
  (use "git push" to publish your local commits)
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch master
Your branch is ahead of 'origin/master' by 4 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git stash list
stash@{0}: On new: modified diff funtion
stash@{1}: On check: modified mul function
stash@{2}: On newfeat: refactor:worked on sub
stash@{3}: On newfeat: refactor:worked add
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$

```

```
sujith@sujith-HP-Laptop-15q-bu0xx: ~/gitlab
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git stash show -p 0
diff --git a/st.py b/st.py
new file mode 100644
index 0000000..71d26e3
--- /dev/null
+++ b/st.py
@@ -0,0 +1,12 @@
+
+
+
+
+function add(a,b)
+return a+b;
+
+
+function dif(a,b)
+c= a-b;
+return c;
+
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$
```

```
sujith@sujith-HP-Laptop-15q-bu0xx: ~/gitlab
index 0000000..71d26e3
--- /dev/null
+++ b/st.py
@@ -0,0 +1,12 @@
+
+
+
+
+function add(a,b)
+return a+b;
+
+
+function dif(a,b)
+c= a-b;
+return c;
+
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git stash list
stash@{0}: On new: modified diff funtion
stash@{1}: On check: modified mul function
stash@{2}: On newfeat: refactor:worked on sub
stash@{3}: On newfeat: refactor:worked add
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git stash drop 1
Dropped refs/stash@{1} (11dab913bd782020788316906eae93bdf24ccb9c)
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$
```

```
new
newfeat
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git checkout new
error: Your local changes to the following files would be overwritten by checkout:
    st.py
Please commit your changes or stash them before you switch branches.
Aborting
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch master
Your branch is ahead of 'origin/master' by 4 commits.
  (use "git push" to publish your local commits)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   st.py

no changes added to commit (use "git add" and/or "git commit -a")
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git stash save "last saved"
Saved working directory and index state On master: last saved
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git checkout new
Switched to branch 'new'
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$
```

Open st.py ~/gitlab Save

1
2
3
4
5 function add(a,b)
6 return a+b;

sujith@sujith-HP-Laptop-15q-bu0xx: ~/gitlab

Please commit your changes or stash them before you switch branches.
Aborting
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab\$ git status
On branch master
Your branch is ahead of 'origin/master' by 4 commits.
(use "git push" to publish your local commits)

Changes not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
modified: st.py

no changes added to commit (use "git add" and/or "git commit -a")
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab\$ git stash save "last saved"
Saved working directory and index state On master: last saved
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab\$ git checkout new
Switched to branch 'new'
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab\$ git merge master
Updating 4681345..dd42562
Fast-forward
st.py | 6 ++++++
1 file changed, 6 insertions(+)
create mode 100644 st.py
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab\$

Python Tab width: 8 L16, Col 12 INS

st.py - Visual Studio Code

File Edit Selection View Go Run Terminal Help

home > sujith > gitlab > st.py

```
1
2
3
4
5 function add(a,b)
6     return a+b;
7 <<<<<< Updated upstream
8 <<<<<< Updated upstream
9 =====
10 =====
11 >>>>>> Stashed changes
12
13
14 function dif(a,b)
15     c= a-b;
16     return c;
17
18 <<<<<< Updated upstream
19 >>>>>> Stashed changes
20 =====
21 >>>>>> Stashed changes
22
```

sujith@sujith-HP-Laptop-15q-bu0xx: ~/gitlab

```
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git stash pop 1
CONFLICT (add/add): Merge conflict in st.py
Auto-merging st.py
The stash entry is kept in case you need it again.
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch new
Unmerged paths:
  (use "git restore --staged <file>..." to unstage)
  (use "git add <file>..." to mark resolution)
        both added:      st.py

no changes added to commit (use "git add" and/or "git commit -a")
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git add .
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch new
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   st.py

sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git stash pop 1
CONFLICT (add/add): Merge conflict in st.py
Auto-merging st.py
The stash entry is kept in case you need it again.
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$
```

new! Python 0 0 -- NORMAL --

Ln 1, Col 1 Spaces: 4 UTF-8 LF Python

home > sujith > gitlab > st.py

```
1
2
3
4 function add(a,b)
5     return a+b;
6
7
8
9 function dif(a,b)
10    c= a-b;
11    return c;
12
13
14
```

sujith@sujith-HP-Laptop-15q-bu0xx: ~/gitlab

```
(use "git restore --staged <file>..." to unstage)
(use "git add <file>..." to mark resolution)
    both added:      st.py

no changes added to commit (use "git add" and/or "git commit -a")
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git add .
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch new
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   st.py

sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git stash pop 1
CONFLICT (add/add): Merge conflict in st.py
Auto-merging st.py
The stash entry is kept in case you need it again.
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git commit -a -m "added stashed changes"
[new e69599b] added stashed changes
 1 file changed, 7 insertions(+)
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$ git status
On branch new
nothing to commit, working tree clean
sujith@sujith-HP-Laptop-15q-bu0xx:~/gitlab$
```