CODE-HOUR 23/3/2021

# A SMALL PIECE OF BASH CODE TO REDUCE YOUR MANUAL WORKLOAD

# INTRODUCING A PROBLEM

▸ You have a file called "workflow1.py" that you need to make 100 versions of ("workflow2.py", ….,"workflow100.py")

▸ In the different versions of the file the words "Round" and "grouping" will appear. These words should be followed by the number corresponding to the workflow number

"workflow1.py" –> "workflow2.py"
"Round1" –> "Round2"
"grouping1" –> "grouping2"

▸ **Manual solution**: Duplicate the "workflow1.py" file, open it in a text-editor, use the replace all commands to replace "Round1" with "Round2", "grouping1" with "grouping2", then save and rename as "workflow2.py"

**Then repeat 100 times!!!!**

## A SMALL AND SIMPLE BASH SCRIPT TO SOLVE THE PROBLEM

```
less AutomaticGenerationOfWorkflows.sh

for i in `seq 1 99`; do

cp "workflow1.py" "workflow$[i+1].py"

sed "s/Round1/Round$[i+1]/g" workflow$[i+1].py > workflow$[i+1]_.py

sed "s/grouping1/grouping$[i+1]/g" workflow$[i+1]_.py > workflow$[i+1]__.py

mv workflow$[i+1]__.py workflow$[i+1].py

rm workflow$[i+1]_.py;

done
```

# A SMALL AND SIMPLE BASH SCRIPT TO SOLVE THE PROBLEM

# ALTERNATIVE USES

▸ Making birthday invitations personally addressed to your guests

Dear **name**,

You were invited to my birthday if
we didn't have a current worldwide
pandemi going on.

Best,
Cathrine

Dear **brother**,

You were invited….

Dear **mom**,

You were invited….

Dear **sister3**,

You were invited….

Dear **dad**,

You were invited ….

Dear **sister1**,

You were invited….

Dear **sister2**,

You were invited….

# BIRTHDAY CODE

```
less BirthdayCards.sh

for i; do

cp "BirthdayDraft.txt" "BirthdayDraft$i.txt"

sed "s/Name/$i/g" "BirthdayDraft$i.txt"  > "BirthdayDraft_$i.txt"

rm "BirthdayDraft$i.txt"


done
```

`./BirthdayCards.sh mom dad sister1 sister2 sister3 brother`

BASH MIGHT BE A BAD PROGRAMMING
LANGUAGE BUT SURE IS GOOD FOR FILE
MANIPULATION AND REPETITIVE TASKS

https://github.com/cks2903/CodeHour