

PPA –WEEK 2

Create a file `documents.txt` containing all the possible file names in the format `file_XYZ.txt` where X is a lower case alphabet, Y is also a lower case alphabet and Z is a number between 0 and 4. Few examples of file names in this format are 'file_dh3.txt', 'file_sd1.txt', 'file_ja0.txt', 'file_at2.txt'. The file names in `documents.txt` should be separated by a single space.

Hint: Use echo to solve this with a single command.

Ans.

```
script() {  
echo file_{a..z}{a..z}{0..4}.txt > documents.txt  
}
```

`encoding-key` is a file located at the path `/encryption/two-level/binary/positive-offset/` (directory 'encryption' is located in current working directory) . The file `encoding-key` is updated often and shared between multiple users. This file is important to you and you are worried that the file could be deleted by mistake. Create a file `ek` in the current working directory, such that it is always in sync with the contents of file `encoding-key` and if `encoding-key` gets deleted by any chance the content in it should be available in file `ek`.

Ans .

```
script() {  
mkdir -p /encryption/two-level/binary/positive-offset/  
touch /encryption/two-level/binary/positive-offset/encoding-key  
ln /encryption/two-level/binary/positive-offset/encoding-key ek  
}
```

GRPA –WEEK 2

Print the absolute path where the command `wget` is located.

Ans.

```
script() { echo '  
which wget  
'  
}
```

"**dir_1**" and "**dir_2**" are directories in current working directory. Create a symbolic(soft) link to the file "**file_1**" present in "**dir_1**" and store it as "**file_2**" in "**dir_2**".

Hint: The link to file_2 should be either absolute from current working directory i.e. / or relative to dir_2.

Ans.

```
script()  
mkdir dir_1 dir_2  
touch dir_1/file_1  
ln -s /dir_1/file_1 /dir_2/file_2  
}
```

Print the username associated with the current session.

Ans .

```
script()  
echo $USER  
}
```

Print to the output containing the name of the shell being used, its PID and the flags in the following format "Shell: <shell>|PID:<pid>|Flags:<flags>". There are no spaces in the string.

Ans.

```
script()  
echo "Shell:$SHELL|PID:$$|Flags:$-"  
}
```


Write a command that runs in a child shell, prints "hello" and exits with the exit code 179.

Ans .

```
script()  
bash -c "echo hello; exit 179"  
}
```