Assignment #2

Instructions:

Be sure to read the following general instructions carefully:

- This lab should be completed individually by all the students.
- You must submit this document with your answers **through the drop box**:
- You will be asked to demo your solutions in-person on Week-7.
- **100%** of your mark would be based on your **in-person demo of the solution**.

Academic Integrity

- **PLAGIARISM** is an Academic Offence
- Doesn't help you learn the course material
- Giant waste of your time and mine
- Causes mark penalties and transcript annotations

Requirements

PART A   50%

1. Create new file **script1.sh** and enter the following program

```bash
#!/bin/bash

echo "the command you executed was: $0"
echo "the first positional parameter was: $1"
echo "the second positional parameter was: $2"
echo "the third positional parameter was: $3"
echo "the fourth positional parameter was: $4"

echo "the total number of positional parameters was: $#"
echo "the process id of this script is $$"

myparameters=$*                              #$* represent all positional parameter as
                                             #a string.  It is being saved in the variable
                                             #myparameters

echo "content of myparameters: $myparameters"

# the $@ variable represents a set of strings consisting of your command parameters
# the for loop will loop through all you parameters and echo it to the screen

for i in $@
do
      echo $i
done
```

2. Run this program by providing the expected command line arguments
3. Provide thorough explanation of the functionality embedded within this program

PART B   50%

1. Create new file **script2.sh** and enter the following program

```
#!/bin/bash

echo "FILE SEARCH RAN AT: $(date)" >>   dirlog

for item in   *
do
      if [ -f $item ]
      then
            echo "file found      : $item"
      fi
done >>   dirlog
```

2. Run this program in a directory that contains lots of files
3. Provide thorough explanation of the functionality embedded within this program