**Assignment 4**

**Assignment 0**

1. Create a simple shell script to tell the user about their session – they

 need to know:

● What their username is

● What the current date is

● What the time is

● What their current working directory is

● How many files they have in that directory

● What is the biggest file in their current directory

**Assignment 1**

Create a directory with a few test files in it (the files can be empty). Now write a script that for every file in that directory you rename it to have an extension of today's date in YYYYMMDD format.

#!/bin/bashDAY=$(date +%F)  
cd /home/vimukthi/Picturesfor FILE in \*.png  
 do  
 mv $FILE ${DAY}-${FILE}  
 done

**Assignment 2**

Write a script that takes a number as an input and reverses it out to the user. For example, if the original number is 74985, the output should be 58947.

**echo** -n "Enter number : "

**read** n

*# store single digit*

sd=0

*# store number in reverse order*

rev=""

*# store original number*

on=$n

*# use while loop to caclulate the sum of all digits*

**while** **[** $n -gt 0 **]**

**do**

sd=$**((** $n **%** 10 **))** *# get Remainder*

n=$**((** $n **/** 10 **))** *# get next digit*

*# store previoues number and current digit in rev*

rev=$**(** **echo** ${rev}${sd} **)**

**done**

**echo** "$on in a reverse order $rev"

**Assignment 3**

Write a script to validate how secure someone's password is. Things you would care about:

● Length should be 8 or more characters

● The password should contain numbers and letters

● There should be both uppercase and lowercase letters