

NAME : _____

CS 4350 – Unix Systems Programming

Serial Number:

Group Number:

Assignment Number: _____

Due Date: 2 / 27 / 2019

Write a script that does the following:

1. Make directory by checking existence
2. Test if File Exist. If it exists then Read the File, display its size, number of chars in the file, and its contents. Display a message it does not exist
3. Append **“Learning Scripts and Shell Programming “** to an existing File. Display a message it does not exist
4. Delete an existing File. Display a message it does not exist
5. Parse Current Date
9. Exit

Note :

1. Each of the above items must be implemented in a separate function.
2. Must use an array for item 2, and 3.
3. Must pass parameters to function for items 1 thru 4.
4. Must use case statement.

Instructions :

1. Can work as a group of 2.
2. Must submit one file that contains all your scripts followed by the output of the scripts.
3. The output must follow the sample run format.
4. You must upload your solution **using TRACS** – Make sure you include the above as comments in your program

Make sure that you name your homework document as follows :

LastName_FirstName_HW2.doc **or**
LastName_FirstName_HW2.txt

Where LastName is your Last Name and FirstName is your First Name. For example , the file name should look something like :

You must upload your programs no later than the starting of class time on the due date. Everyone must upload the electronic version. **No late assignments will be accepted..**

You must **also** turn in hard copy of your source code no later than the due date / time . Please turn one hard copy / group . Should the hard copy consist of more than one page , then , the hard copy must be **stapled**. if you are unable to turn in a printout during class, you can take the program to the computer science department and hand it to the front desk personal (Comal 211) before the deadline. Make sure that the front office stamps the program. Make sure that include the date and time. Finally ,make sure that they place the program in my mailbox. **No late assignments will be accepted..**

DO NOT slide your program under my office door – It will **NOT** be accepted

The following points will be deducted if :

- Compilation Errors, missing electronic copy , missing the hardcopy , submitting .zip file, submitting .sh file (- 10 points)
- Logical Errors (at least .75 points)
- Other (at least 1 points) if any of the following takes a place :
 - Unable to read the source code due to unclear printing
 - Incorrect Output format.
 - Incorrect program file name.
 - Hard copy is not stapled.
 - More than one hard copy per group.
 - Incorrect Style **such as but not limited to** Missing Header comments, missing footer comments, not replacing my name with your name, missing serial number , missing section number ... etc.
 - Not using 5 functions and not passing parameters to functions, not using case statement . . . etc

Sample Run: The script starts her

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The function of this script is to:

1. Make directory by checking existence
2. Test if File Exist. If it exists then Read the File, display number of words , number of lines in the file, and its contents. Display a message it does not exist
3. Append “Learning Scripts and Shell Programming “ to an existing File. Display a message it does not exist.
4. Delete an existing File
5. Parse Current Date
9. Exit

Enter Your Choice: 1

Enter Name of the Directory: **images**

Directory created: **images**

Enter Your Choice: **2**

Enter File Name: **myfile.c**

Number of lines and words: **7 5**

File Content

```
#include<stdio.h>  
main()  
{  
Printf(“Hi”);  
}
```

Enter Your Choice: **3**

Enter File Name: **myfile.c**

File Content Before Append

```
#include<stdio.h>
main()
{
    Printf("Hi");
}
```

File Content After Append

```
#include<stdio.h>
main()
{
    Printf("Hi");
}
Learning Scripts and Shell Programming
```

Enter Your Choice: **4**

Enter The name of file to be deleted: **mytest**

mytest is Deleted

Enter Your Choice: **5**

Current Date is: 16-02-2018

Current Time is: 21:18:16

Enter Your Choice: **9**

Husain Gholoom 2-27-2019