<div align="center">

Assignment-4
Part-2 (Solved by group of two students or individual)

UNIX Shell Programming

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Build a menu system for new user, which allow the user to use wild cards. For all cases you make sure the user does not attempt something that will not work by implementing error checking methods. The error checking ensures that the user entering the file name must be a valid file name.

Make sure that any time the output from any command exceeds one screen of information; you break it up so that none of it scrolls off the screen before the user can read it.

Hint: Put the help display, the main menu and the three sub-menus into a total of five script files. Remember that the submenu then becomes a new process and you must ensure that the new process knows if it is in expert or novice model. You must allow the user to enter in one or more filenames also allow them to use wild cards.

I. The UNIX help main menu

The menu system will be saved as a shell script: myhelp.

myhelp without arguments

If there are no arguments, the user will be presented with the following menu on a cleared screen:

```
┌─────────────────────────────────────────────┐
│  ┌───────────────────────────────────────┐   │
│  │                                       │   │
│  │         UNIX HELP MAIN MENU           │   │
│  │                                       │   │
│  │   1 -- File and Directory Management Commands │
│  │   2 -- Text Processing Commands       │   │
│  │   3 -- System Status Commands         │   │
│  │   4 -- Exit                           │   │
│  │                                       │   │
│  │           Enter your choice:          │   │
│  │                                       │   │
│  │                                       │   │
│  │                                       │   │
│  └───────────────────────────────────────┘   │
└─────────────────────────────────────────────┘
```

myhelp with one argument

The user may enter one argument with the command (considered the expert mode). That argument will be either:

help
file
text
status

If it is argument is help, you are to clear the screen and display a short message telling the user how to use your help command. Otherwise, your script is to display the appropriate sub-menu. NOTE: The last item on each sub-menu is different based on whether help was started in the expert mode or not.

II. The File Management Commands Sub-menu

Novice Mode

```
FILE AND DIRECTORY MANAGEMENT COMMANDS

   1 -- Display the contents of a file
   2 -- Remove a file
   3 -- Copy a file
   4 -- List a file
   5 -- Size of a file
   6 -- Quit -- Return to main Menu

              Enter your choice:
```

Expert Mode

```
FILE AND DIRECTORY MANAGEMENT COMMANDS

   1 -- Display the contents of a file
   2 -- Remove a file
   3 -- Copy a file
   4 -- List a file
   5 -- Size of a file
   6 -- Exit Program;

              Enter your choice:
```

III. The Text Processing Commands Sub-menu

Novice Mode

```
                    TEXT PROCESSING COMMANDS

        1 -- Search a file for a pattern
        2 -- Count lines, words, and characters in specified files
        3 -- Display line differences between two files
        4 -- Quit -- Return to Main Menu


                          Enter your choice:
```

Expert Mode

```
                    TEXT PROCESSING COMMANDS

        1 -- Search a file for a pattern
        2 -- Count lines, words, and characters in specified files
        3 -- Display line differences between two files
        4 -- Quit -- Exit Program

                          Enter your choice:
```

IV. The System Status Commands Sub-menu

Novice Mode

```
SYSTEM STATUS COMMANDS

1 -- Display the current date and time
2 -- Current disk usage
3 -- List current local and environmental
4 -- Display process status information

5 -- Quit -- Return to Main Menu

            Enter your choice:
```

Expert Mode

```
SYSTEM STATUS COMMANDS

1 -- Display the current date and time
2 -- Current disk usage
3 -- List current local and environmental
4 -- Display process status information

5 -- Exit Program

            Enter your choice:
```