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CSE 3033 – OPERATING SYSTEMS

Programming Assignment #1

→ Question 1– Create Histogram

The question want us to create a histogram. Program take input from user after check the argument is exist or not exist. If argument is exist program control the inside the file. If valid in .txt file which take from user, program read in .txt file and create a histogram.

→ Question 2 – Encryption

The question want us to take a two arguments and convert the input string into a ciphered one using this number. In program take 2 argument and we check the argument is valid or not. If the argument valid we check lengths equal or not equal of the arguments. If the lengths are equal m is one after n, a is two after c if not equal m is seven after t, a is seven after h.

→ Question 3 – Delete Oldest

The question want us to find the oldest file under given pathname and delete it. Program take a argument from user . If user does not enter the argument then program find the oldest file under current working directory and delete it. If user enter the argument program check the argument is valid or not. If argument is valid find the oldest file under given subdirectory and delete it.

```
Please enter your choice: 3
Please enter your directory:

Do you want to delete fahri.txt? (y/n)
y
1 file deleted.

Please enter your choice: 3
Please enter your directory:
abc
Do you want to delete fatihdas.txt? (y/n)
y
1 file deleted.

Please enter your choice: |
```

→ Question 4 – Convert Numbers

The question want us to will change the numbers to text for each number in between 0-9, inclusive. Program check the argument which take from user , is valid or not. If the argument valid program read the argument char by char and find and convert the numbers. For example 9 to nine , 0 to zero , 12 to onetwo.

```
Please enter your choice: 4
Please enter your argument with extension:
ornek.txt
Please enter your choice: |
```

```
Lorem ipsum dolor sit amet, consectetur adipiscing elit. 7 Suspendisse
vitae odio blandit, commodo nisl dignissim, 9 commodo est. Quisque
blandit laoreet ante id tincidunt. Vivamus in vestibulum sem. Duis ac
faucibus quam. Mauris posuere, sapien quis elementum porttitor, leo
turpis finibus erat, vel dapibus 00 lorem mauris in elit. Curabitur
quis massa sit amet ligula suscipit pulvinar. |
```

```
Lorem ipsum dolor sit amet, consectetur adipiscing elit. seven Suspendisse
vitae odio blandit, commodo nisl dignissim, nine commodo est. Quisque
blandit laoreet ante id tincidunt. Vivamus in vestibulum sem. Duis ac
faucibus quam. Mauris posuere, sapien quis elementum porttitor, leo
turpis finibus erat, vel dapibus zerozero lorem mauris in elit. Curabitur
quis massa sit amet ligula suscipit pulvinar.
```

→ Question 5 – Organized Files

The question want us to find all the files whose name obeys the wildcard and copy them into a directory named or recursively copies. Program check user enter option or not. If option does not exist program check the argument valid or not. If argument is valid , program scan current directory and all subdirectories and whose name obeys the wildcard and copy them into a current directory named copies. If option exist program check the argument valid or not. If argument is valid program scan current directory and all subdirectories recursively and whose name obeys the wildcard and copy them into a files located directory named copies.

```
Please enter your choice: 5
if you want please enter your option, press enter button for skip:

Please enter your argument with extension:
"f*.txt"
Please enter your choice:
```

-with no option

```
if you want please enter your option, press enter button for skip:
-R
Please enter your argument with extension:
"e*.txt"
Please enter your choice:
```

-with option

→ Menu

In menu, we take question number from user and according to question number we execute we did the relative process. We read the command line argument again and call the corresponding function.

```
1) Create histogram  3) Delete oldest    5) Organized files
2) Encryption        4) Convert numbers  6) Exit
Please enter your choice: |
```