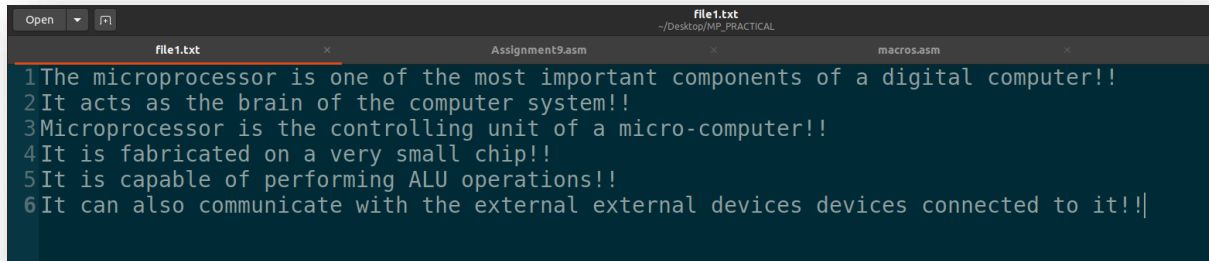


## PROBLEM STATEMENT:

Write X86 menu driven Assembly Language Program (ALP) to implement OS (DOS) commands TYPE, COPY and DELETE using file operations. User is supposed to provide command line arguments in all cases.

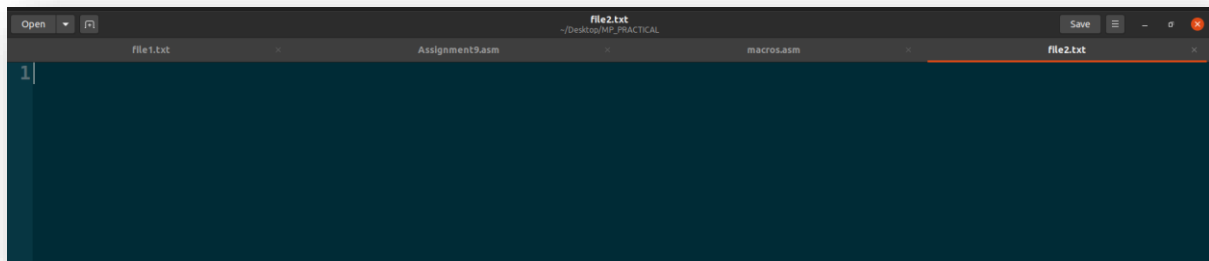
## SAMPLE OUTPUTS

- file1.txt before execution



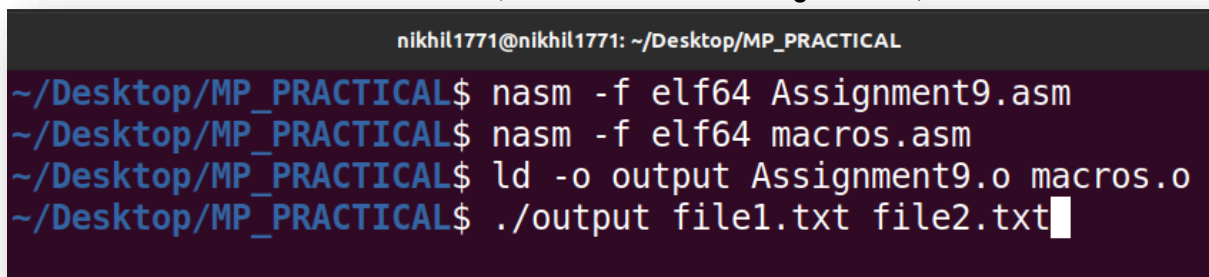
```
file1.txt
1The microprocessor is one of the most important components of a digital computer!!
2It acts as the brain of the computer system!!
3Microprocessor is the controlling unit of a micro-computer!!
4It is fabricated on a very small chip!!
5It is capable of performing ALU operations!!
6It can also communicate with the external external devices connected to it!!
```

- file2.txt before execution



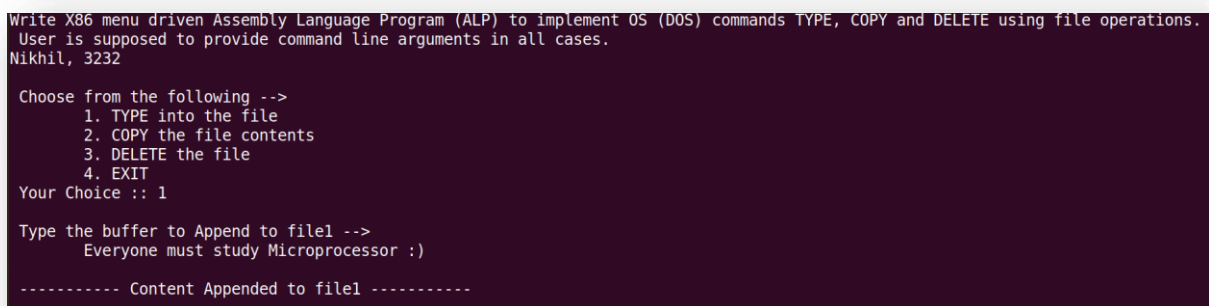
```
file2.txt
1|
```

- Execution (File names as CL Arguments)



```
nikhil1771@nikhil1771: ~/Desktop/MP_PRACTICAL
~/Desktop/MP_PRACTICAL$ nasm -f elf64 Assignment9.asm
~/Desktop/MP_PRACTICAL$ nasm -f elf64 macros.asm
~/Desktop/MP_PRACTICAL$ ld -o output Assignment9.o macros.o
~/Desktop/MP_PRACTICAL$ ./output file1.txt file2.txt
```

- TYPE command chosen



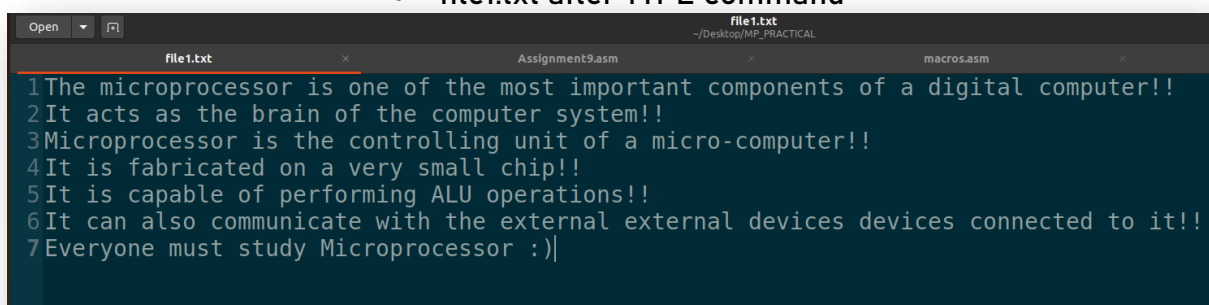
```
Write X86 menu driven Assembly Language Program (ALP) to implement OS (DOS) commands TYPE, COPY and DELETE using file operations.
User is supposed to provide command line arguments in all cases.
Nikhil, 3232

Choose from the following -->
1. TYPE into the file
2. COPY the file contents
3. DELETE the file
4. EXIT
Your Choice :: 1

Type the buffer to Append to file1 -->
Everyone must study Microprocessor :)

----- Content Appended to file1 -----
```

- file1.txt after TYPE command



```
file1.txt
1The microprocessor is one of the most important components of a digital computer!!
2It acts as the brain of the computer system!!
3Microprocessor is the controlling unit of a micro-computer!!
4It is fabricated on a very small chip!!
5It is capable of performing ALU operations!!
6It can also communicate with the external external devices connected to it!!
7Everyone must study Microprocessor :)|
```

- COPY command chosen

```
Choose from the following -->
  1. TYPE into the file
  2. COPY the file contents
  3. DELETE the file
  4. EXIT
Your Choice :: 2

---- Copying contents of file1 to file2 ----
The microprocessor is one of the most important components of a digital computer!!
It acts as the brain of the computer system!!
Microprocessor is the controlling unit of a micro-computer!!
It is fabricated on a very small chip!!
It is capable of performing ALU operations!!
It can also communicate with the external external devices devices connected to it!!
Everyone must study Microprocessor :)

----- Contents Copied to file2 -----
```

- File2.txt after COPY command



The screenshot shows a text editor window with the following text:

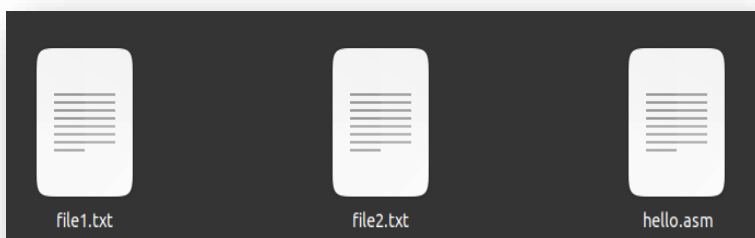
```
1The microprocessor is one of the most important components of a digital computer!!
2It acts as the brain of the computer system!!
3Microprocessor is the controlling unit of a micro-computer!!
4It is fabricated on a very small chip!!
5It is capable of performing ALU operations!!
6It can also communicate with the external external devices devices connected to it!!
7Everyone must study Microprocessor :)|
```

- DELETE command chosen

```
Choose from the following -->
  1. TYPE into the file
  2. COPY the file contents
  3. DELETE the file
  4. EXIT
Your Choice :: 3

----- Deleting File2 -----
----- File2 Deleted -----
Choose from the following -->
  1. TYPE into the file
  2. COPY the file contents
  3. DELETE the file
  4. EXIT
Your Choice :: 4
```

Directory before deletion



Directory After Deletion

