

Punjab University College of Information and Technology
System Programming

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SP Lab # 7

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Solution:

```
If ( youWant() == true) {  
    youCan();  
} else { youCant(); }
```

Instructions

First, solve the problem.
Then, write the code.

QUESTION 1 (10)

Implement **cp** and **mv** commands for Files. Your Program should take the source and destination address as given below

- Mycp.c sourceAddress DestinationAddress

Use the open(), read() and write System calls to implement the above question. For the Cp command just read the file from source address and write data to a newly created file of same name in destination address

For mv command after writing a data to a destination file you have to delete the original file from the source destination.

QUESTION 2 (10)

Write a program in which you have to read the /etc/shadow file, and then write data into the file given by the user as the command line argument.

Format of the command is given below

- programName.c path to file in which you have to write data

You have to make a new file at the given path with the user given name as argument and then write data in it.

QUESTION 3 (10)

Implement the following command

- Cat 1>newFile.txt
- Cat 0<f1 1>newFile.txt