

# DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING COMPUTER ARCHITECTURE.

**ENCS4370** 

First Project

Text Message Encryption and Decryption.

### Prepared By:

Student Name and ID: Ibrahim Nobani 1190278

Student Name and ID: Mahmoud Qaisi 1190831

Instructor: Dr. Ayman Hroub

Supervised By: Teacher Loay.

Section: 3

Date: 27/12/2022

#### First Example:

The input file:

```
PlainText - Notepad

File Edit Format View Help

Welcome to Linux lab
```

#### The terminal:

```
Mars Messages Run NO

What would you like to do? Enter (e) for encryption and (d) for decryption. Press anything else to Exit.

Enter the name of the plain text file.

PlainText.txt

Shift Value:

7

Enter the name of the cipher text file.

cipherText.txt
```

The output from the first step and the input in the second:

```
CipherText - Notepad

File Edit Format View Help

dlsjvtl av spube shi
```

The terminal for the second step:

```
Mars Messages Run VO

What would you like to do? Enter (e) for encryption and (d) for decryption. Press anything else to Exit.

d
Enter the name of the cipher text file.
cipherText.txt

Shift Value:
7
Enter the name of the plain text file.
PlainText.txt
```

The output from the second step which is identical to the input minus the non-alphabetical characters.

```
PlainText - Notepad

File Edit Format View Help

welcome to linux lab
```

## Second Example:

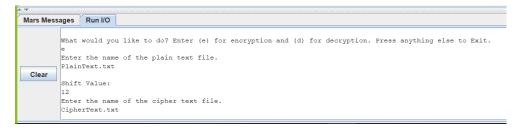
The input file:

```
PlainText - Notepad

File Edit Format View Help

Arch!ite%:cture is $$fund Dr [Ayman] #is t+he best!!
```

The terminal:



The output from the first step and the input in the second:

```
CipherText - Notepad

File Edit Format View Help

mdotufqofgdq ue rgz pd mkymz ue ftq nqef
```

The terminal for the second step:

```
Mars Messages Run NO

What would you like to do? Enter (e) for encryption and (d) for decryption. Press anything else to Exit.

d
Enter the name of the cipher text file.

CipherText.txt

Shift Value:
12
Enter the name of the plain text file.

pt.txt
```

The output from the second step which is identical to the input minus the non-alphabetical characters.

```
pt-Notepad

File Edit Format View Help

architecture is fun dr ayman is the best
```