

# Simple C program for data Encryption/Decryption



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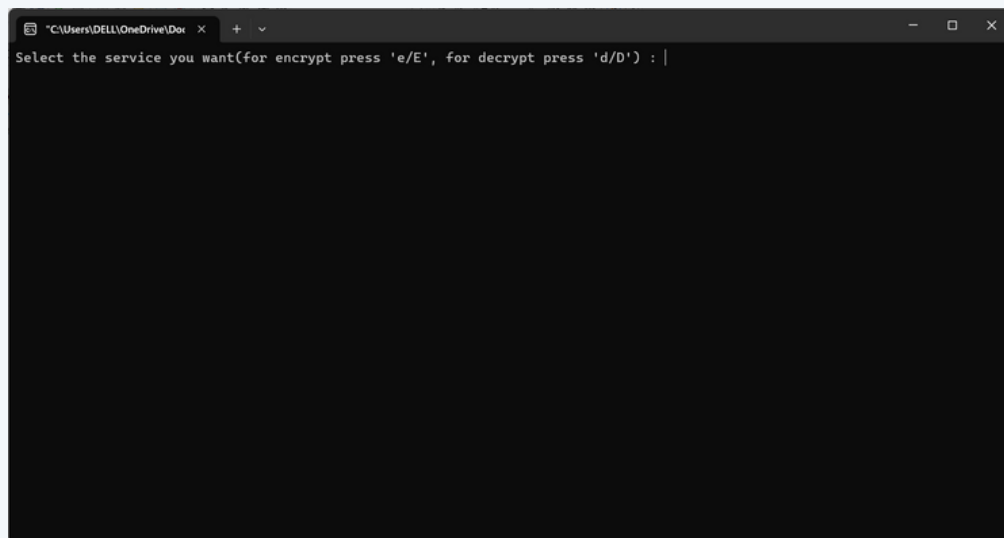
<https://github.com/Sandiru/C-coursework-assignment.git>

# Instructions

## For Encryption

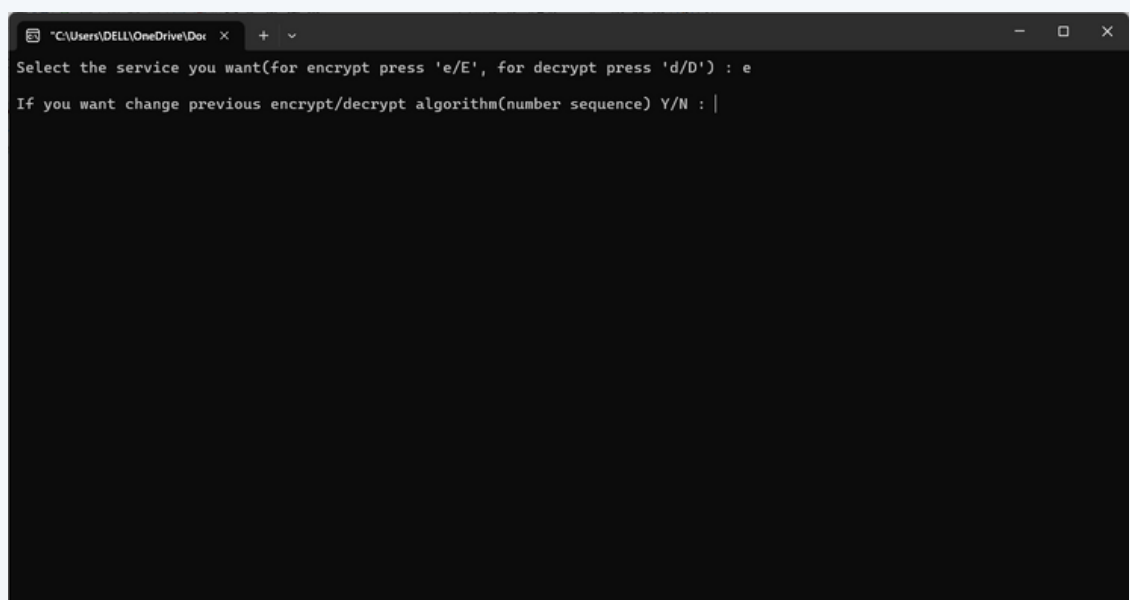
### Step 01 :

Select what is the service you want by entering "E" or "e" for data encryption and "D" or "d" for data decryption(If you already had previously generated code) .



### Step 02 :

If you want to select a specific code pattern then press "Y" or "y" otherwise press "N" or "n"(it generates encrypted code using default code pattern).

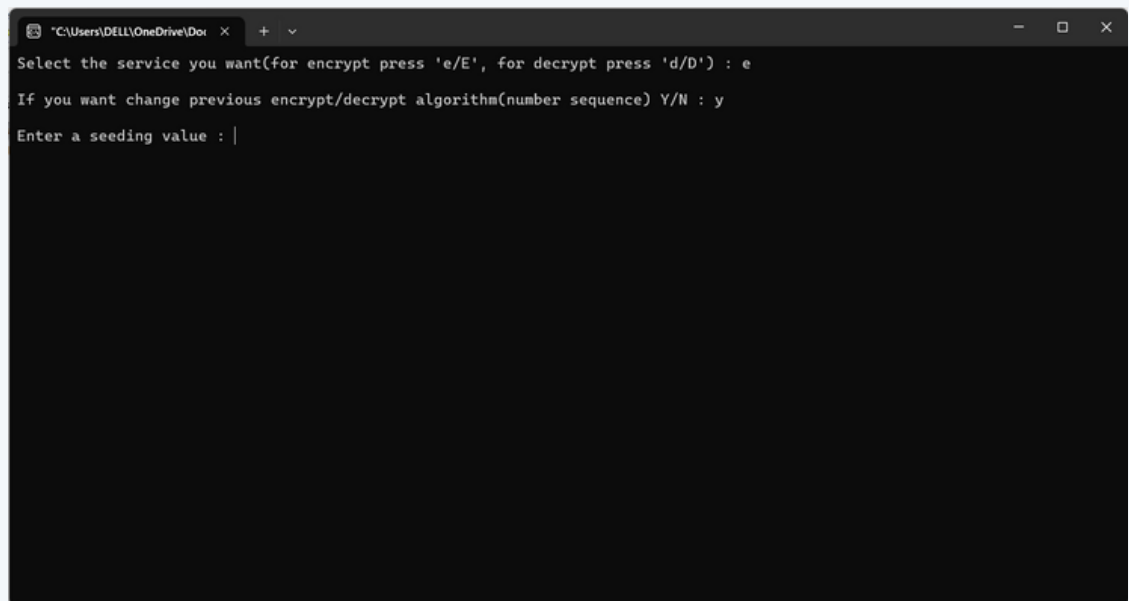


# Instructions

## For Encryption

### Step 03 :

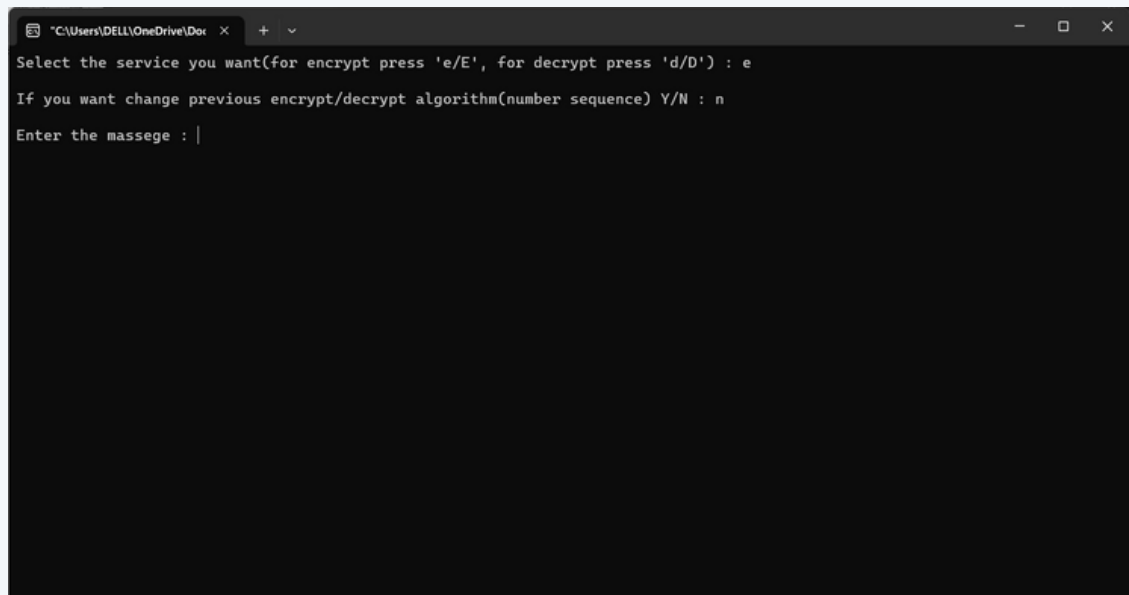
After you entered "Y" or "y" the program wants a value for seeding for that value you can give any value between 0~99(you must remember the value you entered here for use next decryption process).



```
"C:\Users\DELL\OneDrive\Doc  x  +  v
Select the service you want(for encrypt press 'e/E', for decrypt press 'd/D') : e
If you want change previous encrypt/decrypt algorithm(number sequence) Y/N : y
Enter a seeding value : |
```

### Step 04 :

After you entered "N" or "n", enter the message which you want to encrypt (important: the message consist only English alphabets, commas, question marks, exclamation marks and full stops otherwise it raise errors).



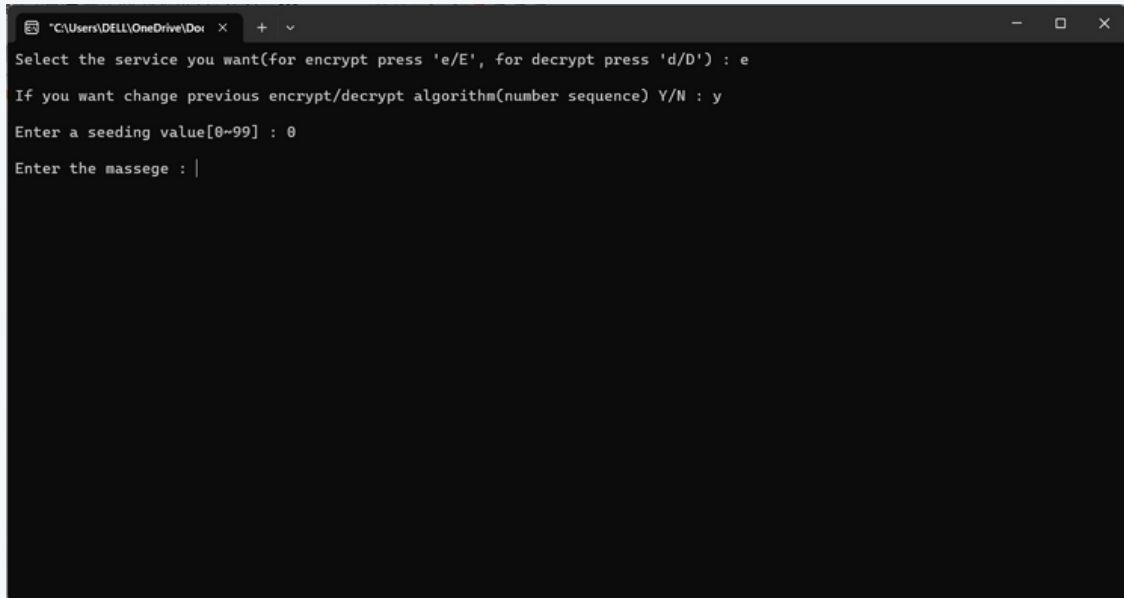
```
"C:\Users\DELL\OneDrive\Doc  x  +  v
Select the service you want(for encrypt press 'e/E', for decrypt press 'd/D') : e
If you want change previous encrypt/decrypt algorithm(number sequence) Y/N : n
Enter the massege : |
```

# Instructions

## For Encryption

### Step 05 :

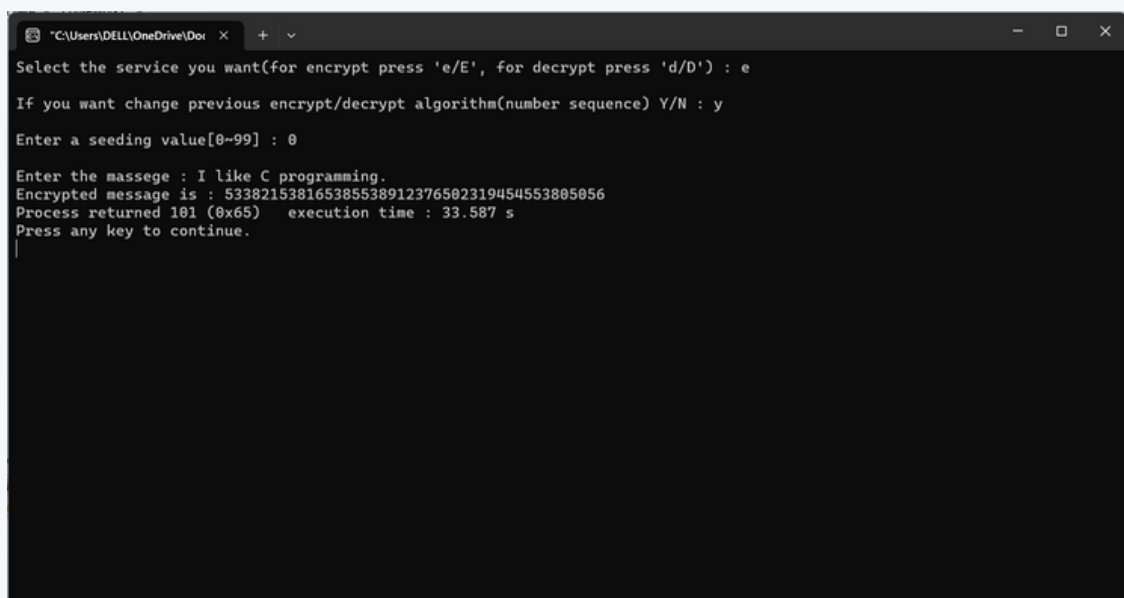
Refer the previous step(step 04).



```
"C:\Users\DELL\OneDrive\Docu... X + v
Select the service you want(for encrypt press 'e/E', for decrypt press 'd/D') : e
If you want change previous encrypt/decrypt algorithm(number sequence) Y/N : y
Enter a seeding value[0~99] : 0
Enter the massege : |
```

### Step 06 :

Finally you can see the encrypted code(collection of numbers) which generate for your message.



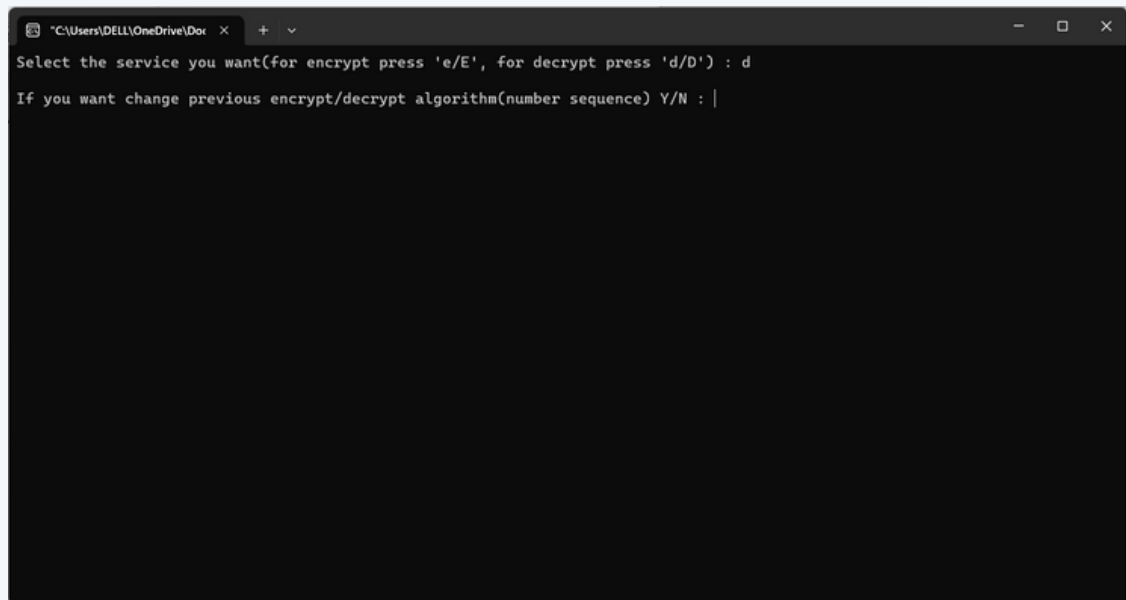
```
"C:\Users\DELL\OneDrive\Docu... X + v
Select the service you want(for encrypt press 'e/E', for decrypt press 'd/D') : e
If you want change previous encrypt/decrypt algorithm(number sequence) Y/N : y
Enter a seeding value[0~99] : 0
Enter the massege : I like C programming.
Encrypted message is : 533821538165385538912376502319454553805056
Process returned 101 (0x65) execution time : 33.587 s
Press any key to continue.
```

# Instructions

For decryption

## Step 07 :

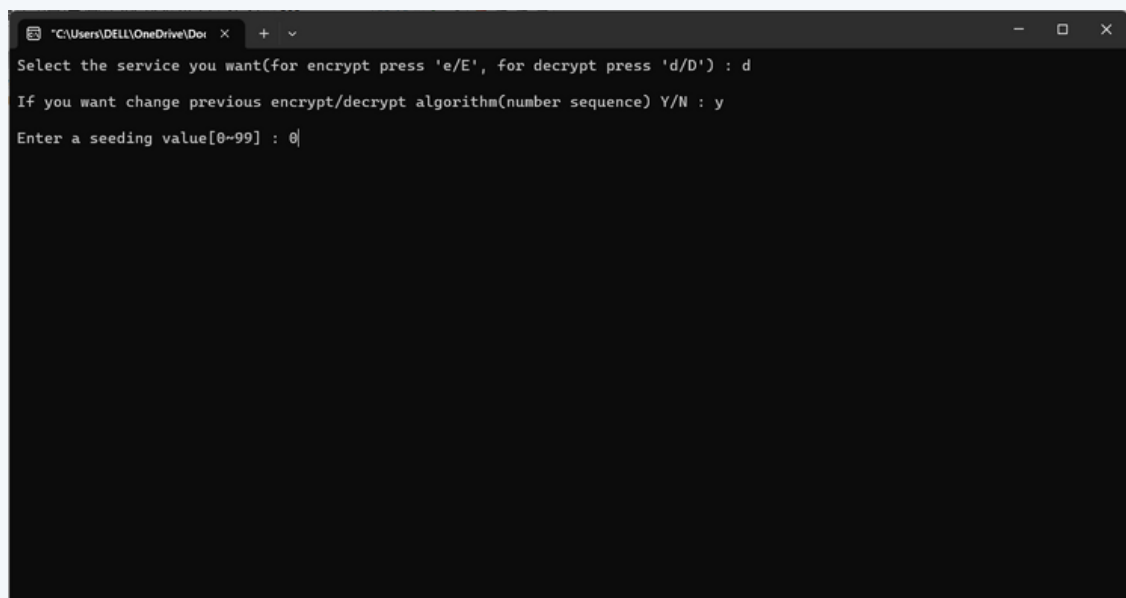
Refer the previous steps(step 01 & step 02).



```
"C:\Users\DELL\OneDrive\Doc X + v
Select the service you want(for encrypt press 'e/E', for decrypt press 'd/D') : d
If you want change previous encrypt/decrypt algorithm(number sequence) Y/N : |
```

## Step 08 :

Refer the previous step(step 03).



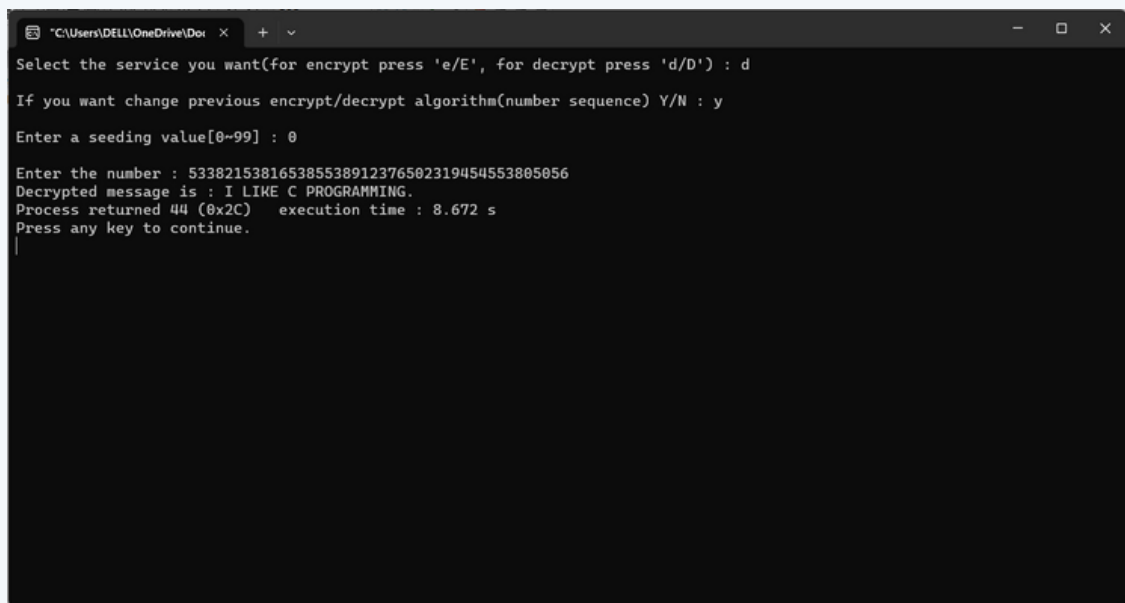
```
"C:\Users\DELL\OneDrive\Doc X + v
Select the service you want(for encrypt press 'e/E', for decrypt press 'd/D') : d
If you want change previous encrypt/decrypt algorithm(number sequence) Y/N : y
Enter a seeding value[0~99] : 0|
```

# Instructions

## For decryption

### Step 09 :

After you entered value for seeding, enter the number sequence which you want to decrypt and finally you can see the message hidden at the numbers .



```
"C:\Users\DELL\OneDrive\Docu... X + v
Select the service you want(for encrypt press 'e/E', for decrypt press 'd/D') : d
If you want change previous encrypt/decrypt algorithm(number sequence) Y/N : y
Enter a seeding value[0~99] : 0
Enter the number : 533821538165385538912376502319454553805056
Decrypted message is : I LIKE C PROGRAMMING.
Process returned 44 (0x2C)   execution time : 8.672 s
Press any key to continue.
```



# Thank You



<https://github.com/Sandiru/C-coursework-assignment.git>



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