

Encryption

SAMPLE OUTPUT

Sample output 1 (Normal Use):

```
File      : wayby001_petals.py
Author    : Batman
Student ID : 0123456X
Description: Programming Assignment 1 - Encryption
This is my own work as defined by the Eynesbury Academic Misconduct Policy.
```

```
-----
MAIN MENU
-----
1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit
```

```
Enter an option (1,2,3,4): 1
Please enter a new message: ! 1 AZ az ~
Your message is: '! 1 AZ az ~'.
```

```
-----
MAIN MENU
-----
1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit
```

```
Enter an option (1,2,3,4): 2
Your message was successfully encrypted.
Your message is: 'IHYHi#H*CHG('.
```

```
-----
MAIN MENU
-----
1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit
```

```
Enter an option (1,2,3,4): 3
Your message was successfully decrypted.
Your message is: '! 1 AZ az ~'.
```

```
-----
MAIN MENU
-----
1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit
```

```
Enter an option (1,2,3,4): 4
Your message is: '! 1 AZ az ~'.
```

Goodbye

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Sample output 2 (Error Checking):

```
File      : wayby001_petals.py
Author    : Batman
Student ID : 0123456X
Description: Programming Assignment 1 - Encryption
This is my own work as defined by the Eynesbury Academic Misconduct Policy.
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 2
Error: Cannot encrypt an empty message.
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 3
Error: Cannot decrypt an empty message.
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 0
Invalid choice. Enter an option (1,2,3,4): 5
Invalid choice. Enter an option (1,2,3,4): 1
Please enter a new message
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 4
```

```
Goodbye
```

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Sample output 3 (Encrypt multiple times):

```
File      : wayby001_petals.py
Author    : Batman
Student ID : 0123456X
Description: Programming Assignment 1 - Encryption
This is my own work as defined by the Eynesbury Academic Misconduct Policy.
```

```
-----
MAIN MENU
-----
1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit
```

```
Enter an option (1,2,3,4): 1
Please enter a new message: The eagle returns to nest
Your message is: 'The eagle returns to nest'.
```

```
-----
MAIN MENU
-----
1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit
```

```
Enter an option (1,2,3,4): 2
Your message was successfully encrypted.
Your message is: '|1.H.*05.H; .=>;7<H=8H7.<=('.
```

```
-----
MAIN MENU
-----
1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit
```

```
Enter an option (1,2,3,4): 2
Your message was successfully encrypted.
Your message is: 'EYVpVRX]VpcVefc_dpe`p_vleP('.
```

```
-----
MAIN MENU
-----
1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit
```

```
Enter an option (1,2,3,4): 3
Your message was successfully decrypted.
Your message is: '|1.H.*05.H; .=>;7<H=8H7.<=('.
```

```
-----
MAIN MENU
-----
1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit
```

```
Enter an option (1,2,3,4): 3
Your message was successfully decrypted.
Your message is: 'The eagle returns to nest'.
```

```
-----
MAIN MENU
-----
1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit
```

```
Enter an option (1,2,3,4): 4
Your message is: 'The eagle returns to nest'.
```

Goodbye

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Sample output 4 (Decrypt too many times):

```
File      : wayby001_petals.py
Author    : Batman
Student ID : 0123456X
Description: Programming Assignment 1 - Encryption
This is my own work as defined by the Eynesbury Academic Misconduct Policy.
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 1
Please enter a new message: owl
Your message is: 'owl'.
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 2
Your message was successfully encrypted.
Your message is: '3;0#'.
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 3
Your message was successfully decrypted.
Your message is: 'owl'.
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 3
Your message may be fully decrypted...
Are you sure you want to decrypt (y/n)? no
Invalid choice. Enter y or n: yes
Invalid choice. Enter y or n: y
Your message was successfully decrypted.
Your message is: 'bj'.
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 3
Your message may be fully decrypted...
Are you sure you want to decrypt (y/n)? y
Your message was successfully decrypted.
Your message is: 'W'.
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 3
Your message may be fully decrypted...
```

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```
Are you sure you want to decrypt (y/n)? y
Your message was successfully decrypted.
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 3
Error: Cannot decrypt an empty message.
```

```
-----
MAIN MENU
-----
```

1. Enter Message
2. Encrypt Message
3. Decrypt Message
4. Quit

```
Enter an option (1,2,3,4): 4
```

```
Goodbye
```

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