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The program will prompt with you choices

```
Enter 1: If you want to encode input and print on the screen
Enter 2: If you want to encode from file and print on the screen
Enter 3: If you want to encode input and print output to file
Enter 4: If you want to decode input and print on the screen
Enter 5: If you want to decode from file and print on the screen
Enter 6: If you want to decode form file and print output to file
Enter 9: If want to exit the code
```
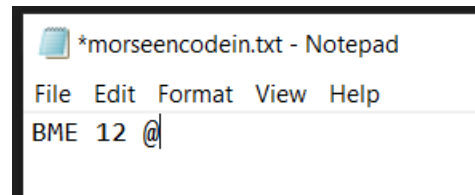
If choice is one:

Enter input through keyboard

```
Enter text:
Morse code
-- --- .-. ... . / -.-. --- -.. .
Number of dots is: 11
Number of dash is: 12
Number of slashs is: 1
```

If choice is two:

Enter file path (Example: (C:\Documents\)) through keyboard.

```
*morseencodein.txt - Notepad
File  Edit  Format  View  Help
BME 12 @
```

```
2
Enter the file path: Example: (C:\Documents\)
E:\Coding project\morseencodein.txt
-... -- . / .---- ..--- / .--.-.
Number of dots is: 10
Number of dash is: 13
Number of slashs is: 2
```

If choice is three:

Enter file path (Example: (C:\Documents\)) through keyboard.

Enter text through keyboard.

```
3
Enter the file path: Example: (C:\Documents\)
E:\Coding project\morseencodeout.txt
Enter text:
CSE 1221
```

```
morseencodeout.txt - Notepad
File  Edit  Format  View  Help
-.-. ... . / .---- ..--- ..--- .----
Number of dots is: 12
Number of dash is: 16
Number of slashs is: 1
```

If choice is four:

Enter Morse code through keyboard.

```
4
Enter text:
-.-. ... . / .---- ..--- ..--- .----
cse  1221
The number of 1 is 2
The number of 2 is 2
The number of c is 1
The number of e is 1
The number of s is 1
```

If choice is five:

Enter file path (Example: (C:\Documents\)) through keyboard.

```
morsedecodein.txt - Notepad
File  Edit  Format  View  Help
-... -- . / .---- ..--- / .--.-.
```

```
5
Enter the file path: Example: (C:\Documents\)
E:\Coding project\morsedecodein.txt
bme  12  @
The number of 1 is 1
The number of 2 is 1
The number of @ is 1
The number of b is 1
The number of e is 1
The number of m is 1
```

If choice is six:

Enter file path (Example: (C:\Documents\)) through keyboard.

Enter morse code through keyboard.

Enter 9: If want to exit the code
6
Enter the file path: Example: (C:\Documents\)
E:\Coding project\morsedecodeout.txt
Enter text:
..-. .. -. .- .-.. .-.. -.-- / -.-.--

morsedecodeout.txt - Notepad

File Edit Format View Help

finally !
The number of ! is 1
The number of a is 1
The number of f is 1
The number of i is 1
The number of l is 2
The number of n is 1
The number of y is 1