

# MORSE

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BASICS OF PROGRAMMING – 1, Homework 2: Specification



## What is MORSE CODE?

Morse code is a method used in telecommunication to encode text characters as standardized sequences of two different signal durations, called dots and dashes, or dits and dahs.



## Goal

The goal of the homework is to create a command line c program which can handle morse text. The program should do:

1. Text to Morse
2. Morse to Text
3. All the coding and decoding should be controlled by the command line switch.



## Behavior

The program is going to ask the user to pick one option.

**Please pick one of the options**

- > **OPTION 1: TEXT TO MORSE**
- > **OPTION 2: MORSE TO TEXT**

## ASKING USE FOR THE INPUT

```
// ASKING THE USER TO CHOSE THE OPTION
```

Please pick one **of** the options

Option 1: **TEXT TO MORSE** //IF YOU WANT **TO** CONVERT YOUR **TEXT TO MORSE CODE**

Option 2: **MORSE TO TEXT** //IF YOU WANT **TO** CONVERT YOUR MORSE CODE **TO TEXT**

## INPUT

```
// IF YOU CHOSE THE OPTION 1
```

ENTER TEXT: **Hello**

```
// IF YOU CHOSE THE OPTION 2
```

ENTER MORSE: **... --- .-. .-.. -..**

## OUTPUT

```
// for the first chosen input
```

Text to Morse is: **.... . .-. .-. ---**

```
// for the second chosen option
```

Morse to text: **World**