

# MORSE CODE TRANSLATOR

## NAME

MUHAMMAD IBRAHIM SHOEB

## NEPTUN

OZLVV3

## COURSE

BSc in COMPUTER IN SCIENCE ENGINEERING

## ABOUT MORSE TRANSLATOR

A technique called Morse code is used in communications to encrypt text using standardized sequences of dots and dashes, which have two different signal lengths.

It allows for simple transmission of complex messages. Morse Code allows people to communicate using large lights or beep alarms. Ex: SOS beep sound or light blink.

## HOW IT WORKS

This is switch command line controlled program which handle Text to Morse and vice versa.

- It encodes Latin to Morse
- It decodes Morse to Latin
- Exit and save a file named "history.txt" with decoding data.

### STEP 1:

When you run the program, it will show you a greeting message and a menu to select whether you want to encode or decode.

### STEP 2:

After choosing the desired option from the given menu, it will ask you to write an input.

- INCASE OF ENCODING

You have to enter the *text* to encode into its equivalent *morse*

- INCASE OF DECODING

You have to enter *morse* to decode it to the text equivalent.

### STEP 3:

After giving the output of your desired input. Additionally, it will save a "history.txt" file which will show you the statistics of how many dots and dashes were in your input and letter counts as well.

