User's Manuel

1. General information :

The program's role is to handle the Morse code.

2. System Overview :

The program has two main parts:

- Coding part: the user enters a string of characters and gets as a result the Morse code on the screen (stdout). In addition some statistics will be printed.

  //In this part an array filled with the Morse code of the ordered alphabet was used, and the use of ASCII code was needed.

- Decoding part: the user enters a Morse code and gets a string of characters as a result on the screen (stdout) along with statistics of the input and output.

  //In this part a binary tree is used to find the correct letter each time.

In both modules, file handling is implemented as simultaneously, the input, output and a statistic of both will be printed on a file named "Coding.txt" (for the coding process) and "Decoding.txt" (for the decoding process)

As first as it starts, the user can choose either to code, decode or exit the program through choosing one of the numbers:

1: coding   2: decoding   0: exit the program

If any error occurred in the string to code, the program will skip it and only code the alphabets letters. On the other hand, if there's any error in the input for decoding, the program will print an Error message.