Morse Code to Text Converter

**Overview:**

The program is designed to convert a given Morse code message into readable text. It takes an input string of Morse code where each letter is separated by a space and each word is separated by a slash (/). The program uses a pre-defined unordered\_map that associates each Morse code character with its corresponding English letter or number.

**Features:**

* Converts Morse code into readable text.
* Handles words separated by a slash (/).
* Displays the translated text and handles unrecognized Morse code by adding a ?.

**Functional Description:**

1. **Morse Code Mapping**

An unordered\_map<string, char> is used to store the mapping between Morse code sequences and corresponding English characters (A-Z) and digits (0-9). Here's a sample of how the mappings look:

unordered\_map<string, char> morseCodeMap = {

{".-", 'A'}, {"-...", 'B'}, {"-.-.", 'C'}, ..., {"-----", '0'}

};

1. **Input Format**

 The input should be provided as a single line string.

 Morse code letters are separated by spaces.

 Words are separated by a slash (/).

3. **morseToText() Function**

This function is responsible for converting the Morse code into text. It works as follows:

* Splits the input Morse code string into words using the / delimiter.
* For each word, it splits the string into individual Morse code characters using a space delimiter.
* It then checks each Morse code character against the map (morseCodeMap) and adds the corresponding letter to the result string.
* If a character is not found in the map, the function adds a ? to the result to indicate an invalid character.

**Code Explanation:**

**Imports:**

* The program uses standard C++ libraries:
  + #include <iostream>: For input and output.
  + #include <unordered\_map>: For efficient mapping of Morse code to text.
  + #include <sstream>: For splitting the input string into words and letters.
  + #include <vector>: For storing and processing strings, though not directly used in this version.

**Morse Code Mapping:**

The unordered\_map<string, char> contains the key-value pairs for Morse code to English conversion.

**The morseToText() Function:**

 This function takes in the Morse code as a string.

 It uses stringstream to split the input into words and characters.

 It then checks each character in the map and constructs the corresponding text.

**Main Program:**

 The program prompts the user to input a Morse code string.

 It calls morseToText() to convert the code to normal text.

 Finally, it displays both the Morse code input and the translated normal text.