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| **Problem Statement Title** | **The Magical Symbol Translator** |
| **C programming Concept** | Structure, Control Flows |
| **Additional Programming Concepts** | NA |

Introduction:

In an enchanting world, a peculiar device known as the "*Magical Symbol Translator*" possessed a collection of mystical symbols, each holding a hidden numeric value. This extraordinary device had the ability to decode these symbols and reveal their corresponding numeric meanings.

Write a C program that allows users to input the number of symbols in the Mystical Symbol Decoder, along with the symbols and their corresponding numeric values. The program should then prompt the user to enter a symbol to decode and display its numeric value using the decodeSymbol function.

**Constraints:**

* Use a structure named **SymbolDecoder** with the following members:
  + **char symbol** to represent the mystical symbol.
  + **int value** to store the corresponding numeric value of the symbol.
* The number of symbols in the decoder should be limited to a maximum of 10.
* The symbols should be unique, i.e., no two symbols can have the same representation.
* The numeric values of the symbols should be non-negative integers.

## **Function Details:**

* Function name: decodeSymbol
* Arguments/input:
  + Input1: Array of SymbolDecoder structures
  + Input2: The number of symbols in the array,
  + Input3: Symbol to decode.
* Return value/Output: Integer, It should return the corresponding numeric value of the symbol. If the symbol is not found in the decoder, the function should return -1.

**Sample Output:**

* Enter the number of symbols in the Magical Symbol Translator: 4
* Enter the mystical symbols and their corresponding numeric values:
  + Mystical Symbol 1: @

Numeric Value 1: 7

* + Mystical Symbol 2: &

Numeric Value 2: 9

* + Mystical Symbol 3: \*

Numeric Value 3: 13

* + Mystical Symbol 4: $

Numeric Value 4: 21

* Enter the mystical symbol to decode: \*
* The numeric value of the mystical symbol '\*' is: 13.