**QUESTION:**

Write a program in java to Enter a string and find out the frequency of the character given by user in the string.

Class name: Sentence

Data members:

String str: to store input string.

Char ch: to store the character.

Int f: to store the frequency of the character.

Member method:

Sentence (string st,char c): parameterized constructor to initialize str with st, ch with c and f with its default value.

Void find(): to find the frequency of the character in the string.

Write a main method to make a object of the class and invoke above methods properly.

**Algorithm:**

1. **Start**
2. Define a class Sentence with three instance variables st, ch, and f.
3. Define a constructor for the class that takes a string str and a character c as input. Set st to str, ch to c, and f to 0.
4. Define a method find:
   * 1. Compute l as the length of st.
     2. For each index i from 0 to l-1, if the character at index i in st equals ch, increment f.
     3. Print the frequency of the character ch in st.
5. In the main method:
   * 1. Create a Scanner object sc.
     2. Prompt the user to enter a sentence.
     3. Read a line s from the user.
     4. Prompt the user to enter a character to find.
     5. Read a character character from the user.
     6. Create a Sentence object obj with s and character.
     7. Call the find method of obj.
     8. Close the scanner.
6. **End**

**Variable Description Table**

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| **Variable Name** | **Variable Type** | **Variable Description** |
| st | String | The sentence input by the user. |
| ch | Character | The character to find in the sentence. |
| f | Integer | The frequency of the character ch in the sentence st. |
| s | String | The sentence input by the user in the main  method. |
| character | char | The character to find in the sentence, input by the user in the main method. |
| obj | Sentence | An instance of the Sentence class. |
| sc | Scanner | A Scanner object used to read input from  the user. |