Class Exercise:

String Operations v2

You work at a social media company and have been assigned a task to analyze user comments. Your task is to create a program that takes a user's comment as input and performs the following operations:

1. Count the total number of characters in the comment.
2. Count the number of words in the comment.
3. Check if a specific word is present in the comment.
4. Replace a specific word in the comment with another word.

Here are the steps to follow:

1. Ask the user to enter a comment.
2. Use a while loop to repeat the following operations until the user chooses to exit:

* Display a menu of options to the user:
  + Count characters
  + Count words
  + Check word presence
  + Replace word
  + Exit
* Ask the user to select an option by entering the corresponding number.
* Based on the user's choice, perform the corresponding operation.
* Display the result to the user.

comment = input("Enter your comment: ")

while True:

    print("\nMenu:")

    print("1. Count characters")

    print("2. Count words")

    print("3. Check word presence")

    print("4. Replace word")

    print("5. Exit")

    choice = int(input("\nEnter your choice: "))

    if choice == 1:

# Your code here

    elif choice == 2:

# Your code here

    elif choice == 3:

# Your code here

    elif choice == 4:

# Your code here

    elif choice == 5:

# Your code here

Enter your comment: Hello, how are you doing?

Menu:

1. Count characters

2. Count words

3. Check word presence

4. Replace word

5. Exit

Enter your choice: 2

Number of words: 5

Menu:

1. Count characters

2. Count words

3. Check word presence

4. Replace word

5. Exit

Enter your choice: 3

Enter the word to check: doing

The word 'doing' is present in the comment.

Menu:

1. Count characters

2. Count words

3. Check word presence

4. Replace word

5. Exit

Enter your choice: 4

Enter the word to replace: Hello

Enter the new word: Hi

Comment after replacement: Hi, how are you doing?

Menu:

1. Count characters

2. Count words

3. Check word presence

4. Replace word

5. Exit

Enter your choice: 5

Exiting the program. Thank you!