## String Problem 7

Write a program to find the first position of a given character in a string

- ask the user to enter a string
- ask the user to enter a single character
- report the position that the character first appears in the string
- if the character does not appear, report that it does not appear

```
word = input("Enter a word: ")
char = input("Enter the character to find: ")
pos = -1
foundIt = False
for i in range(0, len(word)):
    if word[i] == char:
        if foundIt == False:
            foundIt = True
            pos = i + 1
if pos == -1:
    print("Not found")
else:
    print(pos)
```

Algorithm 1 - built in function

```
```

word = input("Enter a word: ")

```
```

word = input("Enter a word: ")
char = input("Enter the character to find: ")
char = input("Enter the character to find: ")
pos = word.find(char)
pos = word.find(char)
if pos == -1:
if pos == -1:
print("Does not appear")
print("Does not appear")
else:
else:
print(pos + 1)

```
```

    print(pos + 1)
    ```
```

Algorithm 3 - while loop

```
word = input("Enter a word: ")
char = input("Enter the character to find: ")
pos = -1
foundIt = False
i = 0
while foundIt == False and i < len(word):
    if word[i] == char:
                foundIt = True
                pos = i + 1
        i = i + 1
if pos == -1:
        print("Not found")
else:
    print(pos)
```

