

Working with Strings

if ,elif, and else

Printing out the characters in a string

```
phrase=input("Enter a phrase to use in this  
code ")  
for char in phrase:  
    print(char)
```

Finding letters in a string

```
phrase=input("Enter a phrase to use in this  
code ")  
targetPhrase = "BYUH"  
for char in phrase:  
    if char in targetPhrase:  
        print(char)
```

Finding common letters

```
phrase=input("Enter a phrase ")  
targetPhrase = "BYUH"  
result=""  
for char in phrase:  
    if char in targetPhrase:  
        result=result+char
```

Make it a function

```
def function1():  
    phrase=input("Enter a phrase ")  
    targetPhrase = "BYUH"  
    result=""  
    for char in phrase:  
        if char in targetPhrase:  
            result=result+char  
    return(result)  
  
print(function1())
```

Finding consonants with elif

```
def function1():  
    phrase=input("Enter a phrase ")  
    targetPhrase ="aeiou"  
    result=""  
    for char in phrase:  
        if char.lower() in targetPhrase:  
            print("found a vowel")  
        elif char.lower() not in targetPhrase:  
            result=result+char  
    return(result)  
  
print(function1())
```

Finding consonants with else

```
def function1():  
    phrase=input("Enter a phrase ")  
    targetPhrase ="aeiou"  
    result=""  
    for char in phrase:  
        if char.lower() in targetPhrase:  
            print("found a vowel")  
        else:  
            result=result+char  
    return(result)  
  
print(function1())
```

Make a flexible function using parameters

```
def function1(string1, string2):  
    result=""  
    for char in string1:  
        if char.lower() in string2:  
            print("found a match")  
        else:  
            result=result+char  
    return(result)
```

```
phrase=input("Enter a phrase ")  
targetPhrase ="aeiou"  
print(function1(phrase, targetPhrase))
```