Unit 1 Assignment (Practical)

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#  1. WAP to accept and print string from user.
string = input("Enter a string : ")
print(f"Entered string is : {string}")
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# 2. WAP to accept a string check if string is upper case o
r lower

string = input("Enter a string : ")

if string.isupper():
    print(f"{string} is in uppercase")
elif string.islower():
    print(f"{string} is in lowercase")
else:
    print(f'{string} is in mixture of uppercase and lowerca
se')
```

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# 3. WAP to print length of the accepted string. If length
is greater than 15,
# split string into individual words

string = input("Enter string : ")
length_of_string = len(string)

if length_of_string > 15:
    result = string.split()
    print(result)
else:
    print(f"The length of string is not greater than 15")
```

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#  4. WAP that accepts 3 string from user i.e. string1, str
ing2, string3.            Replace string2 with string3 in s
tring2

string1 = input("Enter string 1 : ")
string2 = input("Enter the string2 (to be replaced) : ")
string3 = input("Ener the string3 (new string) : ")


result = string1.replace(string2,string3)

print(result)
```

```
#  5. WAP that accepts 2 string i.e. String1 and string2. C
heck index of string2 in string1.

string1 = input("Enter string1 : ")
string2 = input("Enter string2 (to find the index): ")

print(f"The index of {string2} in {string1} is INDEX: {stri
ng1.find(string2)}")
```

```
# 6  WAP to check if string is alphanumeric or numeric

string = input("Enter string : ")

if string.isalnum():
    if string.isdigit():
        print(f"{string} is a numeric")
    else:
        print(f"{string} is a alphanumeric")
elif string.isdigit():
    print(f"{string} is a numeric")
```

```
#  7. WAP to perform following functions using menu:
#  a) convert string to uppercase
#  b) convert string to lowercase
#  c) convert string to sentencecase
#  d) convert string to titlecase
#  e) convert string to switchcase ❌

string = input("Enter a string : ")

print("Menu")
print('''
    1. Convert to UPPERCASE
    2. Convert to LOWERCASE
    3. Convert to SENTENCECASE
    4. Convert to TITLECASE
    ''')

choice = int(input("Enter a choice : "))

if choice == 1:
    print("Converting to Uppercase : ")
    result = string.upper()
    print(f"Uppercase : {result}")
elif choice == 2:
    print("Converting to LowerCase:")
    result = string.lower()
    print(f"Lowercase : {result}")
elif choice == 3:
    print("Converting to SentenceCase:")
    result = string.capitalize()
    print(f"Capitalize : {result}")
elif choice == 4:
    print("Converting to TitleCase:")
    result = string.title()
    print(f"Titlecase : {result}")
else:
    print("Invalid choice Select between 1-4")
```