ASSIGNMENT:-4

In [ ]:

1.wap to take input ""abcdef and output is"ABCDEF" using chr and ord function.

In [1]:

```
input_string = input("Enter a string: ")
ascii_values = []
for char in input_string:
    ascii_values.append(ord(char))
uppercase_ascii_values = []
for value in ascii_values:
    if 97 <= value <= 122:
        uppercase_ascii_values.append(value - 32)
    else:
        uppercase_ascii_values.append(value)
output_string = ""
for value in uppercase_ascii_values:
    output_string += chr(value)

print(output_string)
```

```
Enter a string: abcdef
ABCDEF
```

In [ ]:

2.WAP TO COUNT THE NO OF VOWELS IN A STRING.

In [4]:

```
input_string = input("Enter a string: ")
vowels = ['a', 'e', 'i', 'o', 'u']
count = 0
for char in input_string:
    if char.lower() in vowels:
        count += 1
print("Number of vowels:", count)
```

```
Enter a string: HELLO
Number of vowels: 2
```

In [ ]:

3.WAP TO CHECK A STRING I PALINDROM OR NOT.

In [5]:

```
input_string = input("Enter a string: ")
reversed_string = input_string[::-1]
if input_string == reversed_string:
    print("The string is a palindrome.")
else:
    print("The string is not a palindrome.")
```

```
Enter a string: 111
The string is a palindrome.
```

In [ ]:

```
4.WAP TO TAKE INPUT A STRING "abc1234" and the output is 10.
```

In [1]:

```
input_string = input("Enter a string: ")
sum_of_digits = 0
for char in input_string:
    if char.isdigit():
        sum_of_digits += int(char)
print("Sum of digits:", sum_of_digits)
```

```
Enter a string: abc1234
Sum of digits: 10
```

In [ ]:

```
5.WAP TO FIND THE FREQUENCY OF CHARACTER IN A STRING.
```

In [4]:

```
input_string = input("Enter a string: ")
char_frequency = {}
for char in input_string:
    if char in char_frequency:
        char_frequency[char] += 1
    else:
        char_frequency[char] = 1
for char, freq in char_frequency.items():
    print(char, freq)
```

```
Enter a string: AMAR
A 2
M 1
R 1
```

In [ ]:

```
6.WAP  TO CONVERT THE 1ST CHARACTER OF EACH  WORD IN CAPITAL
```

In [1]:

```
input_string = input("Enter a string: ")
lowercase_string = input_string.lower()
capitalize_next = True
output_string = ""

for char in lowercase_string:
    if capitalize_next:
        output_string += chr(ord(char) - 32)
        capitalize_next = False
    else:
        output_string += char
    if char == " ":
        capitalize_next = True
print(output_string)
```

```
Enter a string: amar
Amar
```

In [ ]:

In [ ]: