1. Which method/inbuilt function should I use to convert String "welcome to the beautiful world of python" to "Welcome To The Beautiful World Of Python".

Ans. Title function

1. Split a given string on hyphens into several substrings

str1 = Emma-is-a-data-scientist

 str1 = "Emma-is-a-data-scientist"

 substring = str1.split("-")

 print(substring)

1. Remove empty strings from a list of strings

str\_list = ["Emma", "Jon", "", "Kelly", None, "Eric", ""]

**Expected Output**:

Original list of sting

['Emma', 'Jon', '', 'Kelly', None, 'Eric', '']

After removing empty strings

['Emma', 'Jon', 'Kelly', 'Eric']

**CODE:**

str\_list = ["Emma", "Jon", "", "Kelly", None, "Eric", ""]

print("Original list of strings:")

print(str\_list)

str\_list = [s for s in str\_list if s and s.strip()]

print("\nAfter removing empty strings:")

print(str\_list)

1. Create an string and execute the following inbuilt functions on it.

- upper, lower, capitalize, split, join, isnumeric, isalpha, isdigit, count, isalnum.

**CODE:**

# Create a string

my\_string = "Hello World 123"

# Apply inbuilt functions

print("Original string:", my\_string)

print("Upper:", my\_string.upper())

print("Lower:", my\_string.lower())

print("Capitalize:", my\_string.capitalize())

print("Split:", my\_string.split())

print("Join:", "-".join(my\_string.split()))

print("Is Numeric:", my\_string.isnumeric())

print("Is Alpha:", my\_string.isalpha())

print("Is Digit:", my\_string.isdigit())

print("Count 'l':", my\_string.count('l'))

print("Is Alphanumeric:", my\_string.isalnum())

1. Guess the correct output of the following code?

str1 = "PYnative"

print(str1[1:4], str1[:5], str1[4:], str1[0:-1], str1[:-1])

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2. Yna PYnat tive PYnativ vitanYP
3. Yna PYnat tive PYnativ PYnativ

Ans. C

1. write the correct output of the following String operations

str1 = 'Welcome'

print(str1\*2)

**o/p:** WelcomeWelcome

#### Find all occurrences of “USA” in given string ignoring the case

str1 = "Welcome to USA. usa awesome, isn't it?"

**Expected Outcome**:

The USA count is: 2

**CODE:**

import re

str1 = "Welcome to USA. usa awesome, isn't it?"

occurrences = re.findall("USA", str1, re.IGNORECASE)

usa\_count = len(occurrences)

print("The USA count is:", usa\_count)