**Strings**

1.Different ways creating a string

my\_string = 'Hello'

print(my\_string)

my\_string = "Hello"

print(my\_string)

my\_string = '''Hello'''

print(my\_string)

# triple quotes string can extend multiple lines

my\_string = """Hello, welcome to

the world of Python"""

print(my\_string)

2. Concatenating two strings using + operator

str1="Hello"

str2="World"

print ("String 1:",str1)

print ("String 2:",str2)

str=str1+str2

print("Concatenated two different strings:",str)

3. Finding the length of the string

str = "hello"

print(len(str))

4. Extract a string using Substring

myString = "Mississippi"

print(myString[:]) # Line 1

print(myString[4 : ]) # Line 2

print(myString[ : 8]) # Line 3

print(myString[2 : 7]) # Line 4

print(myString[4 : -1]) # Line 5

print(myString[-6 : -1]) # Line 6

5. Searching in strings using index()

str.find()

str.rfind()

str.index()

str.rindex()

re.search()

6. Trimming strings with strip()

greeting = " Hello! "

stripped\_greeting = greeting.strip()

print(stripped\_greeting,"How are you?")

7. Replacing characters in strings with replace()

string = "a b c d ag ad ae "

print(string.replace("ag", "e"))

print(string.replace("ad", "f", 3))

8. Converting integer objects to Strings

num = 10

print("Type of variable before convertion : ", type(num))

converted\_num = str(num)

print("Type After convertion : ",type(converted\_num))

9. Converting to uppercase and lowercase

string = 'hello'

print(string.upper())

string = 'My name is kd'

print(string.upper())