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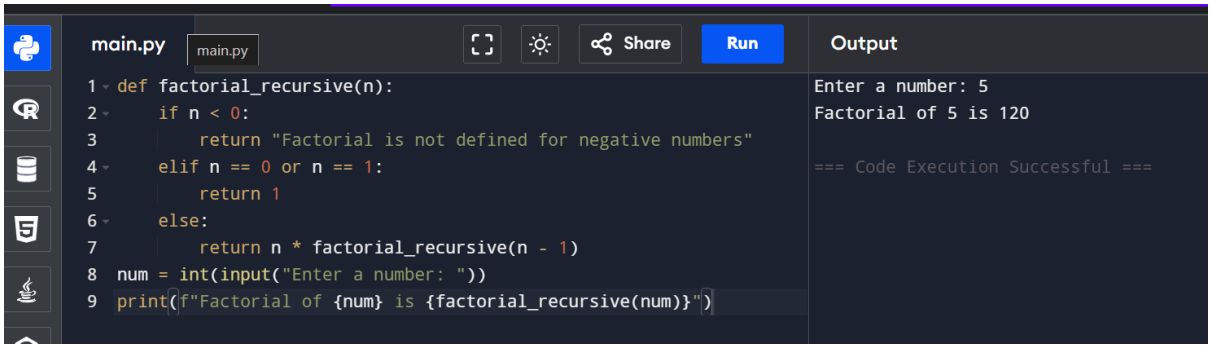
SLOT-B

PYTHON PROGRAMMING FOR BLOCK CHAIN PROJECTS

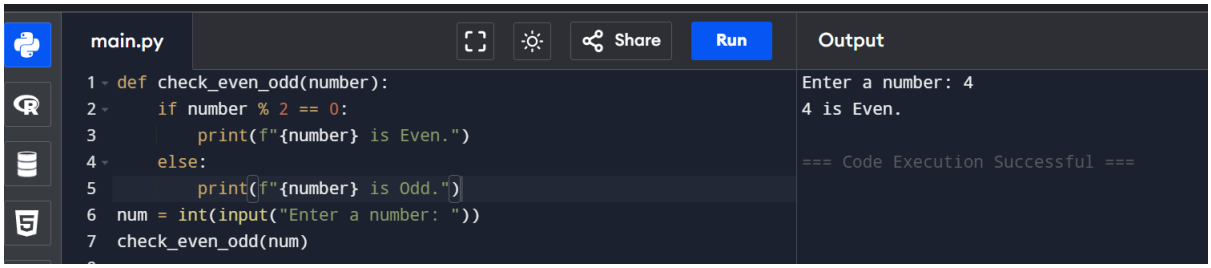
CSA0815

1.Write a program for Function to add two numbers

2. Write a program for Function to find factorial of a number



3. Write a program for Function to check even or odd



4. Write a program for Function to find power of a number

5. Write a program for Function to swap two numbers

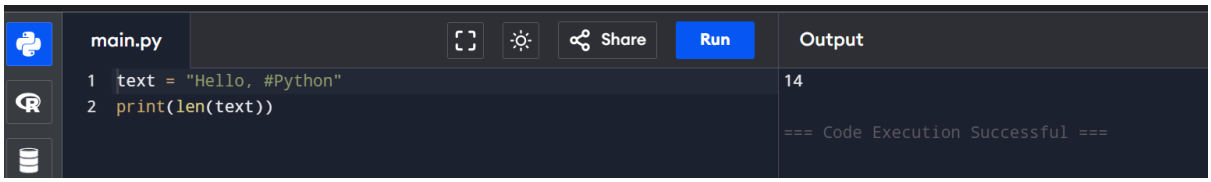
6. 1. len() - Get string length

#Python Program

#Simple string program using built in function

text = "Hello, #Python”

print(len(text)) # Output: 14



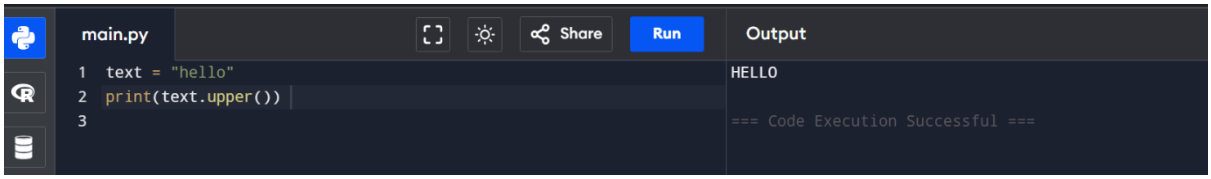
2. upper() - Convert to uppercase

#Python Program

#Simple string program using built in function

text = "hello"

print(text.upper()) # Output: HELLO



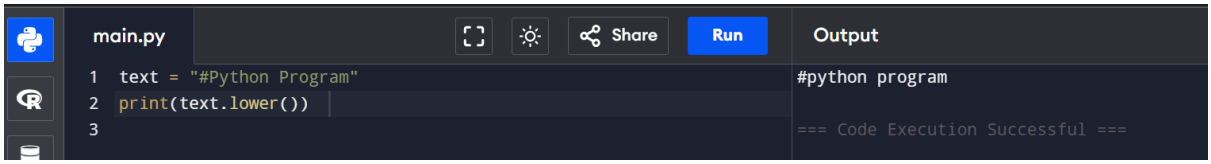
3. lower() - Convert to lowercase

#Python Program

#Simple string program using built in function

text = " #Python Program"

print(text.lower()) # Output: #Python Program



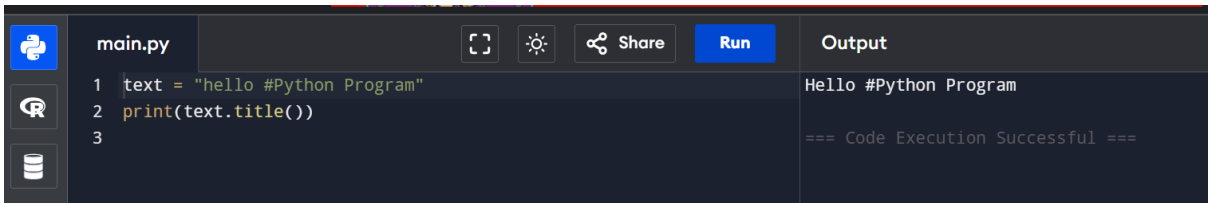
4. title() - Convert to title case

#Python Program

#Simple string program using built in function

text = "hello #Python Program"

print(text.title()) # Output: Hello #Python Program



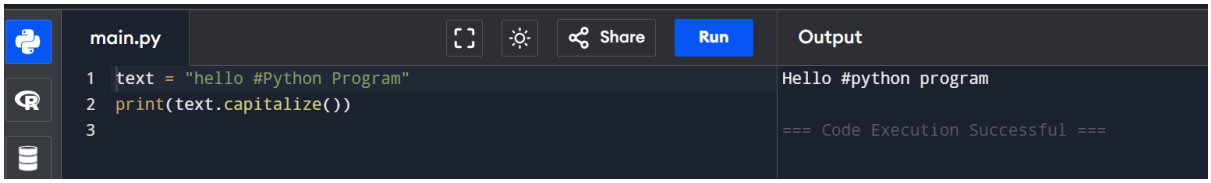
5. capitalize() - Capitalize first letter

#Python Program

#Simple string program using built in function

text = "hello #Python Program"

print(text.capitalize()) # Output: Hello #Python Program



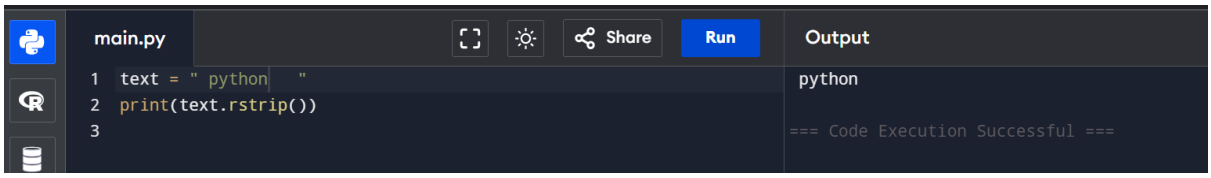
6. strip() - Remove leading and trailing spaces

#Python Program

#Simple string program using built in function

text = " "

print(text.strip()) # Output: #Python Program



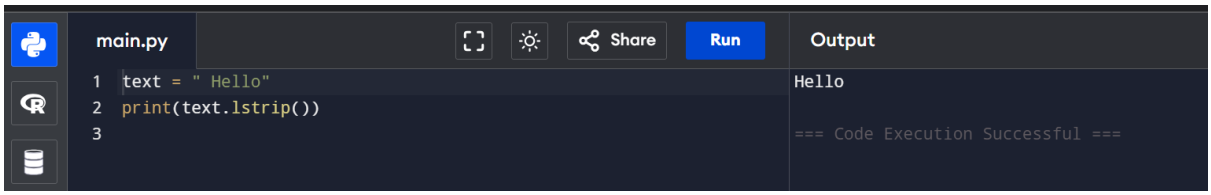
7. lstrip() - Remove leading spaces

#Python Program

#Simple string program using built in function

text = " Hello"

print(text.lstrip()) # Output: Hello



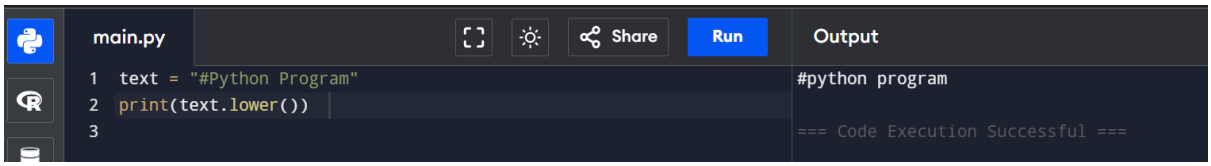
8. rstrip() - Remove trailing spaces

#Python Program

#Simple string program using built in function

text = " "

print(text.rstrip()) # Output: #Python Program



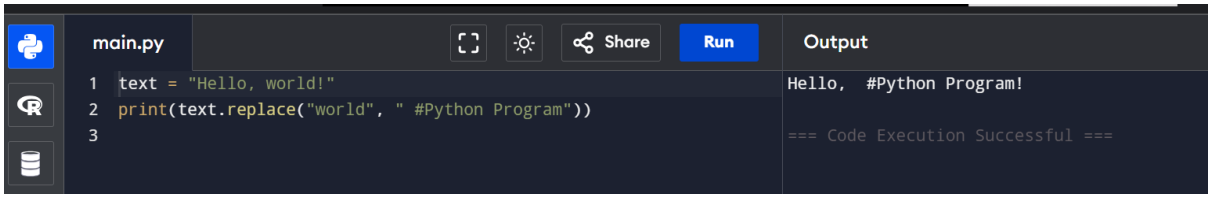
9. replace() - Replace substring

#Python Program

#Simple string program using built in function

text = "Hello, world!"

print(text.replace("world", " #Python Program")) # Output: Hello, #Python Program!



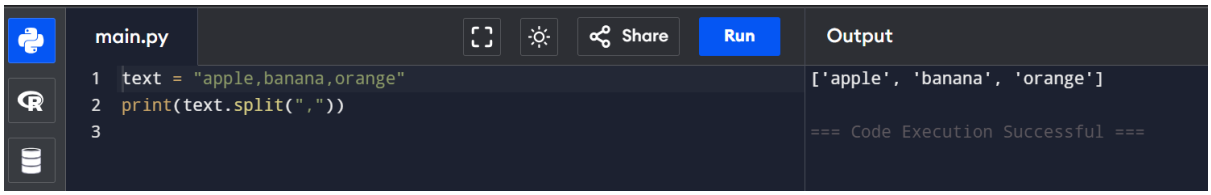
10. split() - Split string into list

#Python Program

#Simple string program using built in function

text = "apple,banana,orange"

print(text.split(",")) # Output: [apple; banana ;orange']



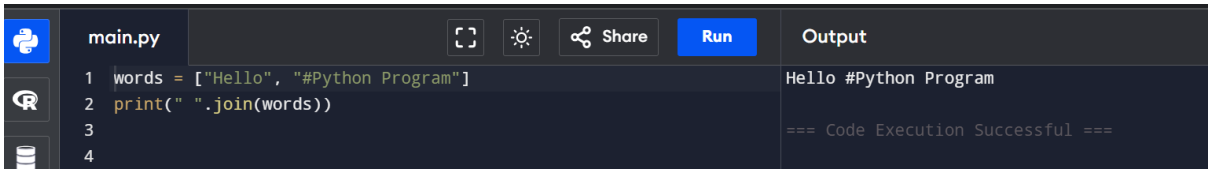
11. join() - Join list into string

#Python Program

#Simple string program using built in function

words = ["Hello", " #Python Program"]

print(" ".join(words)) # Output: Hello #Python Program



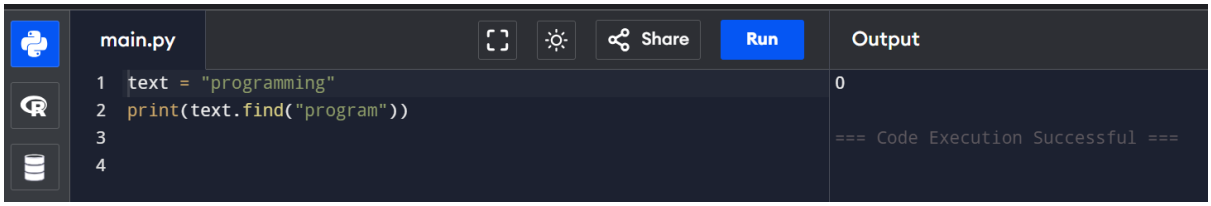
12. find() - Find substring index

#Python Program

#Simple string program using built in function

text = "programming"

print(text.find("program")) # Output: 7



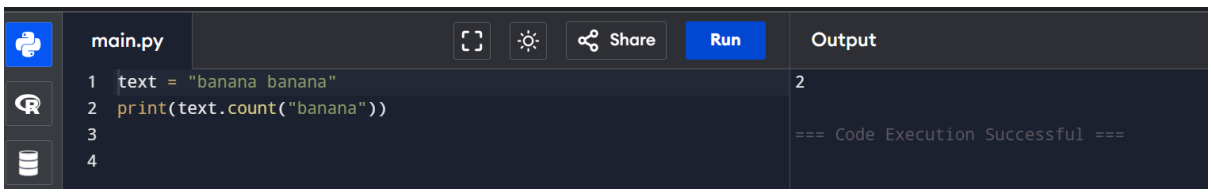
13. count() - Count occurrences of substring

#Python Program

#Simple string program using built in function

text = "banana banana"

print(text.count("banana")) # Output: 2



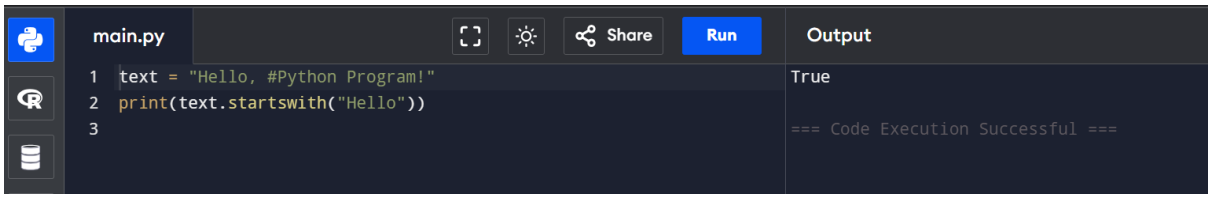
14. startswith() - Check if string starts with substring

#Python Program

#Simple string program using built in function

text = "Hello, #Python Program!"

print(text.startswith("Hello")) # Output: True



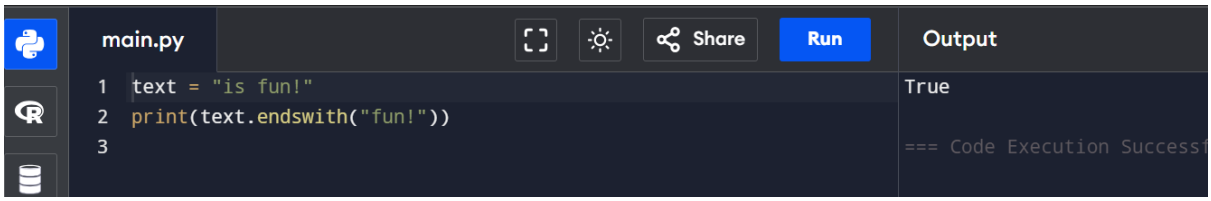
15. endswith() - Check if string ends with substring

#Python Program

#Simple string program using built in function

text = "is fun!"

print(text.endswith("fun!")) # Output: True



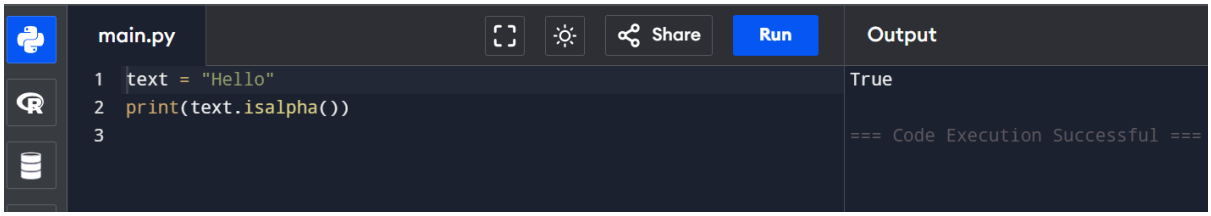
16. isalpha() - Check if all characters are alphabets

#Python Program

#Simple string program using built in function

text = "Hello"

print(text.isalpha()) # Output: True



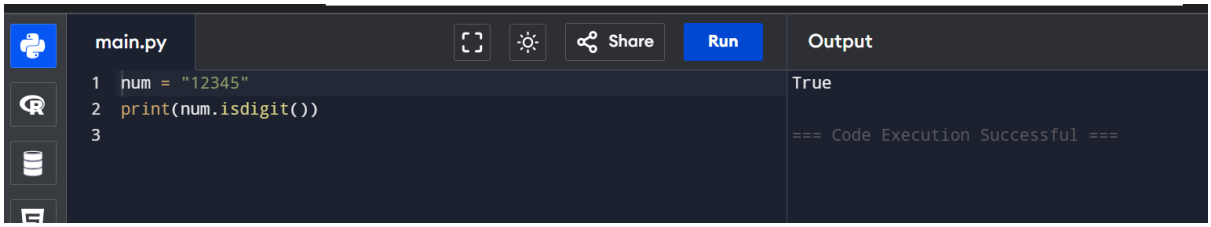
17. isdigit() - Check if all characters are digits

#Python Program

#Simple string program using built in function

num = "12345"

print(num.isdigit()) # Output: True

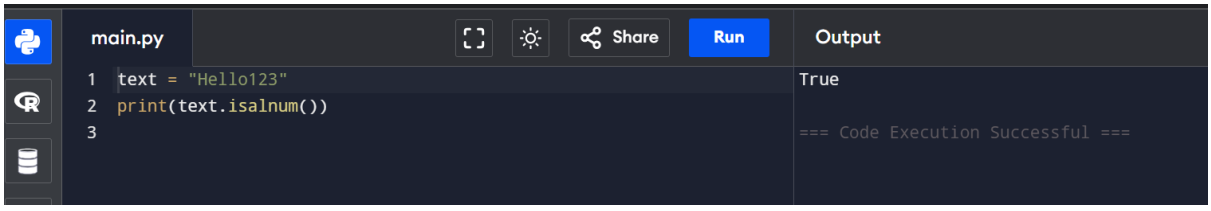


18. isalnum() - Check if string is alphanumeric

#Python Program

#Simple string program using built in function

text = "Hello123"print(text.isalnum()) # Output: True



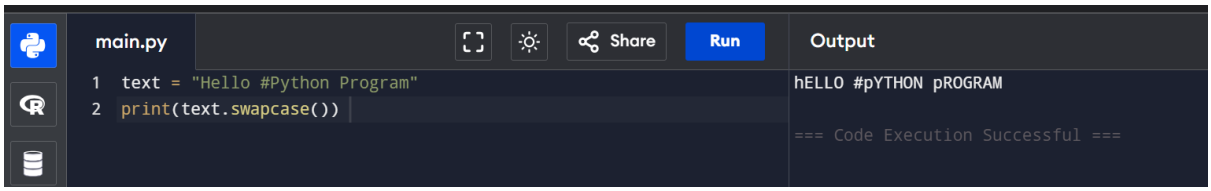
19. swapcase() - Swap case of characters

#Python Program

#Simple string program using built in function

text = "Hello #Python Program"

print(text.swapcase()) # Output: hELLO #Python Program



20. zfill() - Pad string with zeros

#Python Program

#Simple string program using built in function

text = "42"

print(text.zfill(5))