



Department of Computer Science
PYTHON PROGRAMMING LAB RECORD

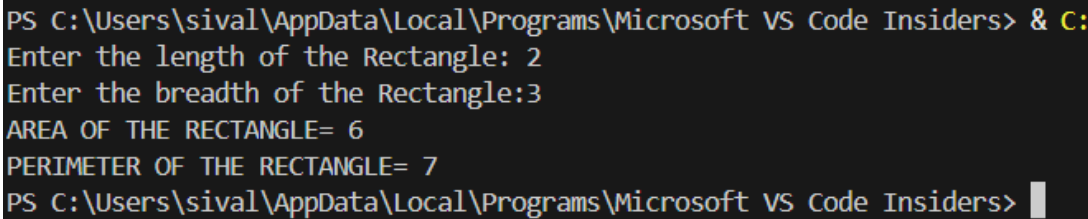
Program No:1.1	Date: 10-07-2025
Name: SIVALAKSHMI PS	Reg No: 24117038
Program Title : Accept your name and year of birth and display your current age.	
<p>Program : Write a program to accept your name and year of birth and display your current age.</p> <pre>nam=input("Enter your name:- ") year=int(input("Enter you year of birth:- ")) age=2025-year print("HELLO ",nam,",YOUR AGE IS ",age)</pre>	
Output Screenshot/Text	
<pre>PS C:\Users\sival\AppData\Local\Programs\Microsoft VS Code Insiders> & Enter your name:- SIVALAKSHMI PS Enter you year of birth:- 2007 HELLO SIVALAKSHMI PS ,YOUR AGE IS 18 PS C:\Users\sival\AppData\Local\Programs\Microsoft VS Code Insiders> </pre>	



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Program No:1.2	Date: 10-07-2025
Name: SIVALAKSHMI PS	Reg No: 24117038
Program Title : Calculate the area and perimeter of a rectangle given length and breadth.	
Program : Write a program to calculate the area and perimeter of a rectangle given length and breadth. <pre>l=int(input("Enter the length of the Rectangle: ")) b=int(input("Enter the breadth of the Rectangle:")) area=l*b print("AREA OF THE RECTANGLE=",area) perimeter=2*l+b print("PERIMETER OF THE RECTANGLE=",perimeter)</pre>	
Output Screenshot/Text	
	



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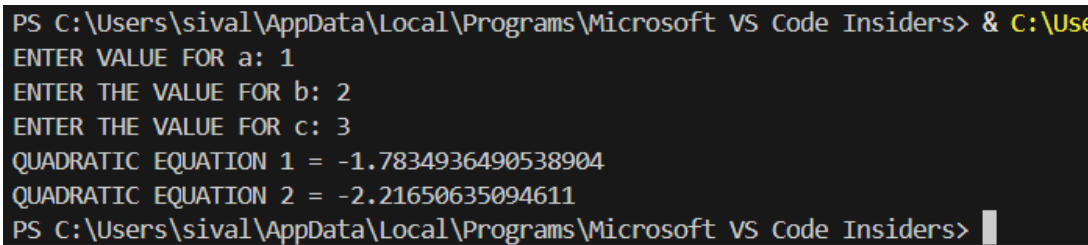
Program No:1.3	Date: 10-07-2025
Name: SIVALAKSHMI PS	Reg No: 24117038
Program Title : Convert Temperature in Celsius to Fahrenheit and Kelvin.	
<p>Program : Write a program that converts temperature in Celsius to Fahrenheit and Kelvin.</p> <pre>cel=float(input("Enter the Temperature: ")) fahr=(cel*9/5)+32 kel=cel+273.15 print("CELCIUS TO FAHRENHEIT = ",fahr,"CELCIUS TO KELVIN = ",kel)</pre>	
Output Screenshot/Text	
<pre>PS C:\Users\sival\AppData\Local\Programs\Microsoft VS Code Insiders> & C:\Users\s Enter the Temperature: 23 CELCIUS TO FAHRENHEIT = 73.4 CELCIUS TO KELVIN = 296.15 PS C:\Users\sival\AppData\Local\Programs\Microsoft VS Code Insiders> </pre>	



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Program No:1.4	Date: 10-07-2025
Name: SIVALAKSHMI PS	Reg No: 24117038
Program Title : Find roots of a quadratic equation	
<p>Program : Write a program to find roots of a quadratic equation (handle complex roots too).</p> <pre>import math a=float(input("ENTER VALUE FOR a: ")) b=float(input("ENTER THE VALUE FOR b: ")) c=float(input("ENTER THE VALUE FOR c: ")) qua=b**2-4*a*c root1=-b+(math.sqrt(qua))/2*a root2=-b-(math.sqrt(qua))/2*a print("QUADRATIC EQUATION 1 =",root1) print("QUADRATIC EQUATION 2 =",root2)</pre>	
Output Screenshot/Text	
	



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Program No:1.5	Date: 10-07-2025
Name: SIVALAKSHMI PS	Reg No: 24117038
Program Title : Count words, lines, and characters.	
<p>Program : Write a program to count words, lines, and characters in a user-provided sentence.</p> <pre>word=input("Enter A Sentence: ") numofsent=len(word.split(".")) print("Number of Sentence = ",numofsent) countword=word.split(" ") print("Number of Lines = ",len(countword)) print("Number of Characters = ",len(word))</pre>	
<p>Output Screenshot/Text</p> <div style="background-color: #2e3436; color: #eeeeec; padding: 10px; border: 1px solid #2e3436;"><pre>PS C:\Users\sival\AppData\Local\Programs\Microsoft VS Code Insiders> & C:\User " Enter A Sentence: Hi. Good Morning Number of Sentence = 2 Number of Lines = 3 Number of Characters = 16 PS C:\Users\sival\AppData\Local\Programs\Microsoft VS Code Insiders> </pre></div>	

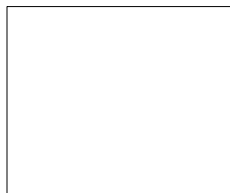


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Program No:1.6	Date: 10-07-2025
Name: SIVALAKSHMI PS	Reg No: 24117038
Program Title : find the largest and smallest among three numbers(Using built-in functions).	
<p>Program : Write a program that uses built-in functions to find the largest and smallest among three numbers.</p> <pre>a = int(input("Enter the first number: ")) b = int(input("Enter the second number: ")) c = int(input("Enter the third number: ")) largest = max(a, b, c) smallest = min(a, b, c) print("Largest number is:", largest) print("Smallest number is:", smallest)</pre>	
Output Screenshot/Text	
<pre>PS C:\Users\sival\AppData\Local\Programs\Microsoft VS Code Insiders> & C:\Users\sival\AppData\Local\Programs\Microsoft VS Code Insiders> Enter the first number: 6 Enter the second number: 5 Enter the third number: 4 Largest number is: 6 Smallest number is: 4 PS C:\Users\sival\AppData\Local\Programs\Microsoft VS Code Insiders> █</pre>	



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