





Course Code: CSA0886	Course Name: Python Programming for Crafting Web Applications	
Branch: CSE	Slot: A	<b>Date:</b> 04/07/2024

**Session:** 12.00 to 03.00

Q. No.	Question		
_	Variable Value		
	Write a program to display the values of variables in Python.		
	Γest Case 1:	Input: $x = 4$	
1 1	lest Case 1.	Output: 4	
   1	Test Case 2:	Input: $x = 8$	
	Lest Case 2.	Output: 8	
	Area of Rectan	-	
	Write a Python program to find the area of a rectangle given its length and breadth.		
1	Γest Case 1:	Input: length = $10$ , breadth = $20$	
2		Output: 200	
]	Test Case 2:	Input: length = $5$ , breadth = $3$	
		Output: 15	
S	Sum		
1	Write a Python p	rogram to find the sum of two numbers.	
	Гest Case 1:	Input: $num1 = 10, num2 = 20$	
3		Output: 30	
] ]	Test Case 2:	Input: $num1 = 5$ , $num2 = 7$	
		Output: 12	
	nt to Float		
		icit type conversion from int to float.	
4 T	Test Case 1:	Input: 30	
		Output: 30.0	
]	Test Case 2:	Input: 5	
		Output: 5.0	
	Float to Int		
		icit type conversion from float to int.	
5	Test Case 1:	Input: 2.5	
 	Test Case 2:	Output: 2 Input: 3.1	
	lest Case 2:	Output: 3	
	String to Int	Output 0	
	Demonstrate explicit type conversion from string to int.		
	Γest Case 1:	Input: "5"	
6	Lost Case 1.	Output: 5	
]	Γest Case 2:	Input: "32"	
		Output: 32	
7	Type Promotion	•	
	Demonstrate implicit conversion from int to float in the sum of two numbers.		
_   1	Test Case 1:	Input: $num1 = 10$ , $num2 = 15.5$	
7		Output: 25.5	
נ	Γest Case 2:	Input: $num1 = 10.5, num2 = 5.5$	
		<b>Output:</b> 16.0	

Q. No.	Question		
•	Difference		
		to print the difference between two numbers.	
8	Test Case 1:	Input: $ip1 = 5$ , $ip2 = 3$	
	Tost Case I.	Output: 2	
	Test Case 2:	Input: $ip1 = 3$ , $ip2 = 5$	
	Test Case 2.	Output: -2	
	Positive Differe		
	Generate a code to print the positive difference between two numbers.		
	Test Case 1:	Input: $ip1 = 5$ , $ip2 = 3$	
9	lest Case 1.	Output: 2	
	Test Case 2:	Input: $ip1 = 3$ , $ip2 = 5$	
	Test Case 2.	Output: 2	
	Simple Calcula	-	
10	_	e calculator performing only four basic operations.	
	Biggest	remember Personal County and Superior S	
		of the two pre-specified numbers.	
	Test Case 1:	Input: 5, 6	
11	1000 0000 11	Output: 6	
	Test Case 2:	Input: 10, 20	
		Output: 20	
	Natural Numb		
		natural numbers.	
	Test Case 1:	Input: $N = 5$	
12		Output: 1 2 3 4 5	
	Test Case 2:	Input: $N = 3$	
		Output: 1 2 3	
	Natural Numb	ers - II	
	Print the first N	odd natural numbers.	
1.9	Test Case 1:	Input: $N=5$	
13		Output: 1 3 5 7 9	
	Test Case 2:	Input: $N = 3$	
		Output: 1 3 5	
	Natural Numbers - III		
	Print the natural	l numbers between N and M.	
14	Test Case 1:	<b>Input:</b> $N = 5, M = 8$	
1.1		Output: 5 6 7 8	
	Test Case 2:	Input: $N = 1, M = 5$	
		Output: 1 2 3 4 5	
	String as Char		
	Print the string a		
15	Test Case 1:	Input: "python"	
		Output: python	
	Test Case 2:	Input: "saveetha"	
	T. 0	Output: s a v e e t h a	
16	Lis of numbers		
		rs in a given sequence.	
	Test Case 1:	Input: 5 10 15 20 25	
	T4 C 2	Output: 5 10 15 20 25	
	Test Case 2:	Input: 1 2 3	
		Output: 1 2 3	

Q. No.	Question	
	Even Numbers	
17	Print even numbers in a given sequence.	
	Test Case 1:	Input: 5 10 15 20 25
		Output: 10 20
	Test Case 2:	Input: 1 2 3
		Output: 2
18	Range	
	Print the multipl	es of 10 for numbers in a given range.
	Test Case 1:	Input: range $= 5$
		Output: 10 20 30 40 50
	Test Case 2:	Input: range $= 3$
		Output: 10 20 30