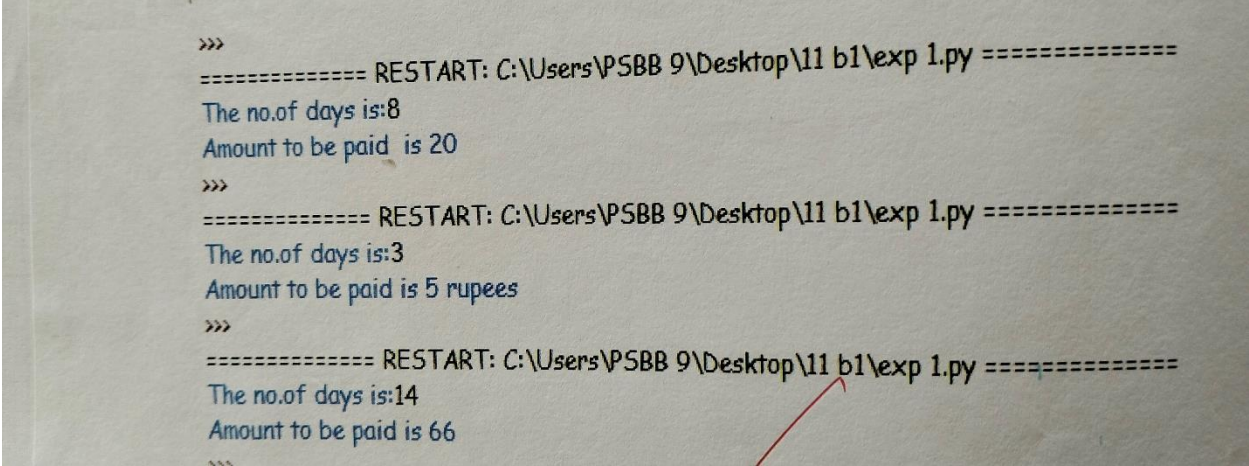
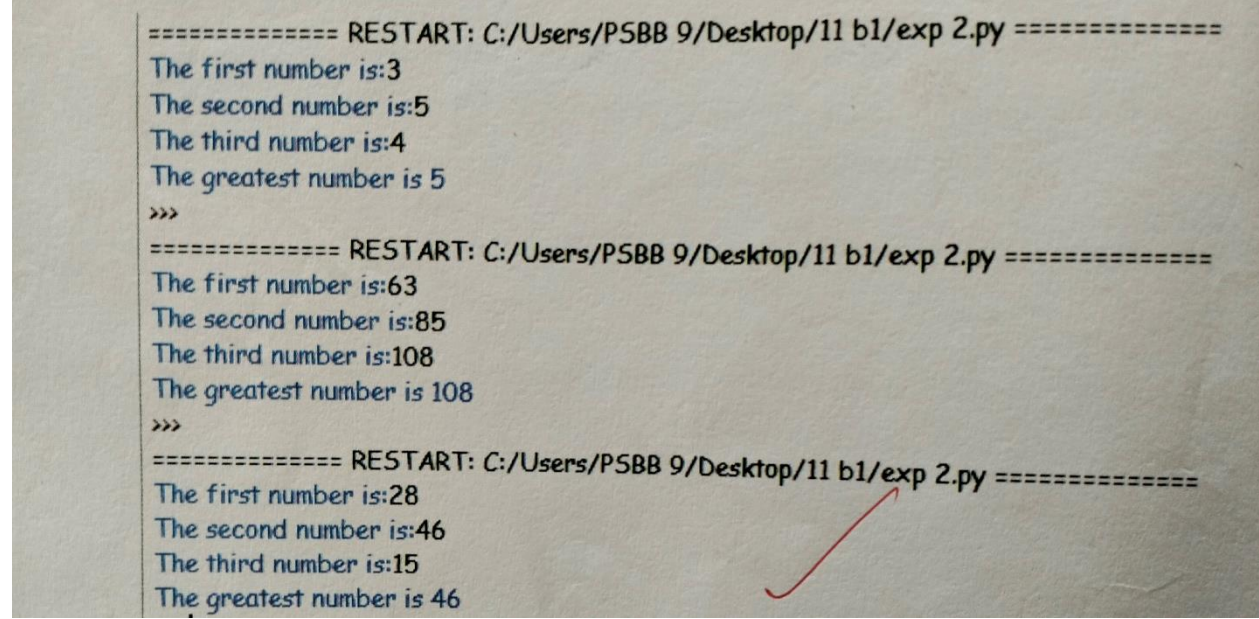
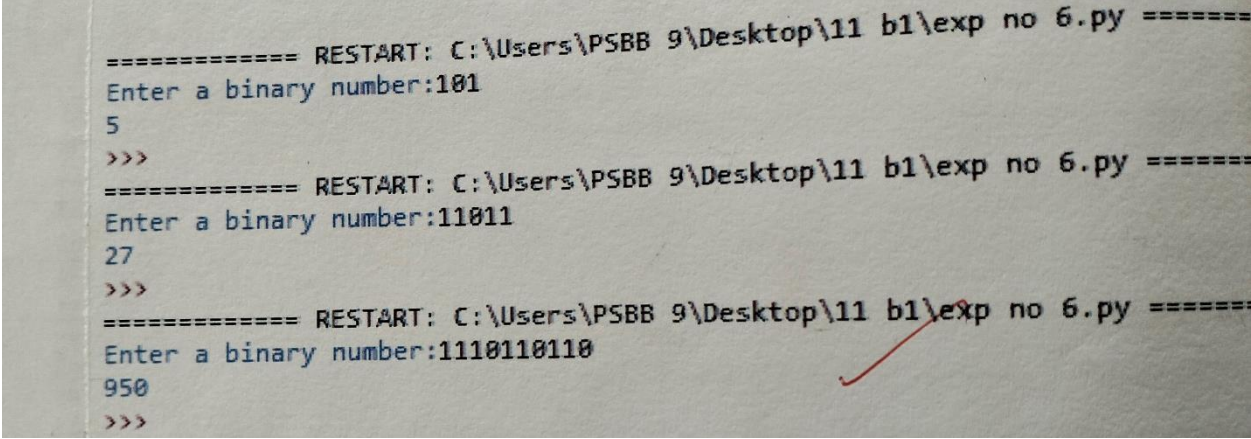
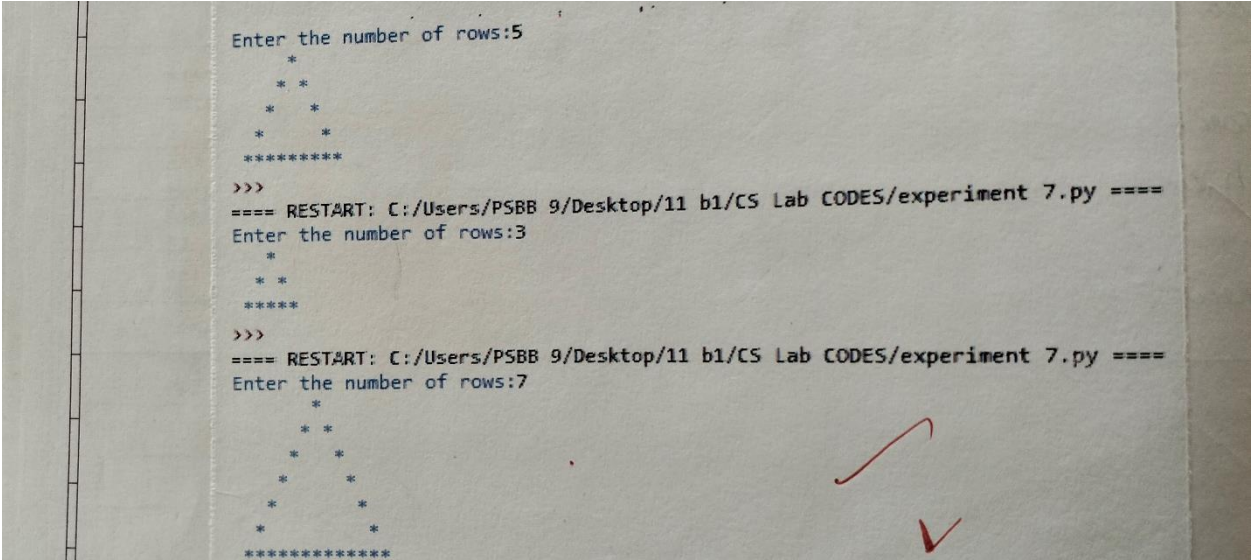


EX.NO	QUESTIONS
1	<p><u>Library charges</u></p> <p>Write a program to calculate the library charges for a user after reading a book for the number of days he keeps the book as per the following criteria.</p> <p>1st 3 days - Rs.5 (1 - 3)</p> <p>Next 1 week – Rs. 3 per day (4 - 10)</p> <p>After that - Rs. 10 per day</p>
	
2	<p><u>Greatest of three numbers</u></p> <p>Write a program to obtain three numbers as user input and display the greatest number</p>
	
3	<p><u>Payroll</u></p> <p>Write a program to calculate the net salary of a person based on the basic salary according to the following criteria.</p> <p>If Basic salary <=10000:</p> <p>HRA = 20%</p> <p>DA = 80%</p> <p>PF = 5%</p> <p>If Basic salary <=20000</p> <p>HRA = 25%</p> <p>DA = 90%</p> <p>PF = 10%</p> <p>If Basic salary >200000</p>

	<p>HRA = 30%</p> <p>DA = 95%</p> <p>PF = 20%</p> <p>Grosspay = Basic+HRA+DA</p> <p>Netpay = Grosspay-PF</p> <pre>===== RESTART: C:/Users/PSBB 9/Desktop/11 b1/EXP 3 LAB.py ===== The basic pay is:24000 Your gross pay is 48000.0 Your net pay is 46800.0 >>> ===== RESTART: C:/Users/PSBB 9/Desktop/11 b1/EXP 3 LAB.py ===== The basic pay is:150000 Your gross pay is 322500.0 Your net pay is 307500.0 >>> ===== RESTART: C:/Users/PSBB 9/Desktop/11 b1/EXP 3 LAB.py ===== The basic pay is:250000 Your gross pay is 562500.0 Your net pay is 512500.0 </pre>
4	<p><u>Armstrong Numbers</u></p> <p>Write a program to display the Armstrong numbers in a given range.</p> <pre>==== RESTART: C:\Users\PSBB 9\Desktop\11 b1\CS Lab CODES\experinment 5.py === Enter the start value of the range:1 Enter the end value of the range:500 1 2 3 4 5 6 7 8 9 153 370 371 407 >>> ==== RESTART: C:\Users\PSBB 9\Desktop\11 b1\CS Lab CODES\experinment 5.py === Enter the start value of the range:1000 Enter the end value of the range:2000 1634 >>> ==== RESTART: C:\Users\PSBB 9\Desktop\11 b1\CS Lab CODES\experinment 5.py === Enter the start value of the range:1 Enter the end value of the range:4300 1 2 3 4 5 6 7 8 9 153 370 371 407 1634</pre>
5	<p><u>Sum of Series</u></p> <p>Write a program to calculate the sum of the following series</p> <p>1+ 1/1! + 2/2! + 3/3! + +n/n!</p> <pre>==== RESTART: C:/Users/PSBB 9/Desktop/11 b1/CS Lab CODES/experiment 4.py ==== Enter a number:3 3.5 >>> ==== RESTART: C:/Users/PSBB 9/Desktop/11 b1/CS Lab CODES/experiment 4.py ==== Enter a number:5 3.7083333333333333 >>> ==== RESTART: C:/Users/PSBB 9/Desktop/11 b1/CS Lab CODES/experiment 4.py ==== Enter a number:10 3.7182815255731922 >>> </pre>
6	<p><u>Binary to Decimal</u></p> <p>Write a program to convert a given binary number obtained as user input to decimal</p>

	
7	<p><u>Hollow Triangle</u> Write a program to display a hollow triangle with the number of rows entered as user input.</p> 
8	<p>String Manipulation -I Write a program to count and display the number of vowels in a given string.</p>
9	<p>String Manipulation -II Write a program to count the number of uppercase, lowercase, digits and special characters in a given string.</p>
10	<p><u>List Manipulation</u> Write a menu driven program to read a list of integers in ascending order as user input and do the following operations.</p> <ol style="list-style-type: none">1. Insert an element2. Delete all occurrence of an element3. Display the list.
11	<p><u>Nested list:</u> Write a menu driven program to do the following in a nested list with structure Rollno, Name, Percentage, Remarks.</p> <ol style="list-style-type: none">1. Append2. Delete by roll3. Edit marks by Roll4. Class average percentage5. Display
12	<p><u>Tuples:</u></p>

	<p>Write a menu driven program to insert and delete one element in a tuple</p> <ol style="list-style-type: none"> 1. Insert 2. Delete 3. Display
13	<p><u>Nested Tuples</u></p> <p>Write a program to display the mean of each element in a nested tuple and the mean of means.</p>
14	<p><u>Dictionaries-I</u></p> <p>Write a program to create a dictionary with a key-value pairs(name and phone number) given as user input. Then perform the following operations using a dictionary.</p> <ol style="list-style-type: none"> 1. Add 2. Modify by name 3. Delete by name 4. Display by name 5. Exit
15	<p><u>Dictionaries-II</u></p> <p>Write a program to create a dictionary with name and marks for 10 students and do the following:</p> <ol style="list-style-type: none"> 1. Display class average 2. Display names of students with highest and lowest marks 3. Display the names of students who scored greater than 75 4. Display the names of students who scored less than 40 5. Display the names and marks in descending order of marks.