

## Task-6

1.

1	10	11
100	101	110
111	1000	1001

2.

1	2	3	4
5	6	7	8
9	a	b	c
d	e	f	10

3.

0	0	1	1	1
0	0	1	1	1
0	0	1	1	1
0	0	1	1	1
0	0	1	1	1

4.

1	*	*	*	*
2	2	*	*	*
3	3	3	*	*
4	4	4	4	*
5	5	5	5	5

5.

5				5
	4		4	
		3		
	2		2	
1				1

6. Write a program to count the different types of characters in the given string using for loop. **Input Word: Kongu Nadu College**

7. Write a Program to Convert the Decimal Number to Octal Number.

**Input: 17**

8. Write a program to create a document file using file mode and write the content to that document.

9. Write a Python program to read a file line by line and store it into a list.

10. Write a Python script to generate and print a dictionary that contains a number (between 1 and n) in the form (x, x\*x).

**O/P Format: Input a number 5**

**{1: 1, 2: 4, 3: 9, 4: 16, 5: 25}**

11. Write a Python script to print a dictionary where the keys are numbers between 1 and 15 (both included) and the values are the square of the keys.

**Sample o/p {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100, 11: 121, 12: 144, 13: 169, 14: 196, 15: 225}**

12. Write a python program to read a csv file for employee dataset.

13. Write a Python program to find a list of integers with exactly two occurrences of nineteen and at least three occurrences of five. Return True otherwise False.

**Sample o/p:**

**Original list:**

**[19, 19, 15, 5, 3, 5, 5, 2]**

**Check two occurrences of nineteen and at least three occurrences of five in the said list:**

**True**

**Original list:**

**[19, 15, 15, 5, 3, 3, 5, 2]**

**Check two occurrences of nineteen and at least three occurrences of five in the said list:**

**False**

**Original list:**

**[19, 19, 5, 5, 5, 5, 5]**

**Check two occurrences of nineteen and at least three occurrences of five in the said list:**

**True**

14. Write a Python program to handle a ZeroDivisionError exception when dividing a number by zero.

15. Write a Python program that prompts the user to input an integer and raises a ValueError exception if the input is not a valid integer.