

WEEK-7:

Course Name: PSP LAB

Section: CSE5

Date of Execution:05-01-2023

1. Write a program to find the roots of a quadratic equation
2. Write a program to find the sum of first n natural numbers
3. Write a program to find the factorial of a whole number n
4. Write a program to find the sum of even and odd numbers from first 100 integer numbers.
5. Write a program to find the sum of digits of natural number.
6. Write a program to find the largest digit in an natural number.
7. Commission on sales by a salesman is calculated as per following policy. write a program that accept sales made by a salesman and displays the commission due.

Amount of sale(in Rs.)	Commission Rate
0-5000	NIL
5001-10000	5%
10001-15000	7.5%
150001-20000	9%
>20000	10%

8. Write a program to print the following pattern using nested for loops
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
9. Write a program to illustrate the difference between break and continuously.
10. Write a program to check whether the given whole number is prime or not .
11. Write a program to check whether the given whole number is an Armstrong number or not.
12. Write a program to check whether given natural number is palindrome or not
13. Write a program to find minimum element and its index from a list
14. Write a program that takes tools of same size and written a third list also same size whose elements are some of the respective elements of the given lists.
15. Write a program that takes a number as input and prints it in word.For example if the input number is 2370,it should print "Two Three Seven Zero".