**FYBCA**

**SEMESTER – I**

**CAM2011C : Introduction to Programming with Python**

**Date : 14/08/2024**

1. Write a program to input a values in miles and convert it into kilometers[ 1 km = 0.621371 miles]
2. Write a program that inputs three nos and calculate two sums as per this
   1. Sum1 as the sum of all input numbers
   2. Sum2 as the sum of non-duplicate nos; if there are duplicate nos in the input, ignores them.
3. Write a program to test the divisibility of a no with another number.[If no is divisible by another number]
4. Write a program to display a menu for calculating area of a circle or perimeter of a circle.
5. Write a program that read two numbers and a single arithmetic operator and displays the computed result.
6. Write a program to print whether a given character is an uppercase or a lowercase or a digit or any other character.
7. Write a program to input basic salary of an employee and calculate its Gross salary according to following:

Basic Salary <= 10000 : HRA = 20%, DA = 80%

Basic Salary <= 20000 : HRA = 25%, DA = 90%

Basic Salary > 20000 : HRA = 30%, DA = 95%

1. Write a program to print iterate over a string.
2. Write a program to print iterate over a list.
3. Write a program to print table of a number.
4. Write a program to print your name 8 times using loop.
5. Write a program to print sum of natural numbers between 1 to 7.
6. Write a program to print sum of natural numbers between 1 to 7.Print the sum progressively. After adding each natural number, print sum
7. Write a program to calculate and print the sum of even and odd integers of the first 20 natural numbers.
8. Write a program to illustrate the difference between break and continue statement.
9. Write a program using loop that displays the even numbers from 51 to 60.
10. Write a program to print following list of values using range()

4,9,14,19,24,25

1. Write a program to print following list of values using range()

7,3,-1,-5

1. Write a program to check whether a string is palindrome or not.