**FYBCA**

**SEMESTER – I**

**CAM2011C : Introduction to Programming with Python**

**Date : 31/07/2024**

**Instructions:**

         Properly name your variables.

         Use comments wherever required

         Write problem objective with the necessary details in the beginning of each program.

1. Write a program to say Hello World on python shell.
2. Print Following line as output.
3. Class by “M S University” is very good.
4. Class by “M S University” for ‘Python‘ are very good.
5. FYBCA

Semester I

Python

1. Write a program to add a space between two string.i.e Helloworld O/P : Hello World.[Hint : use + operator]
2. Write a program to print type , Address and Value of following variables.
3. A = 5
4. B = 10.5
5. C= “FYBCA”
6. Write a program to add two numbers.
7. Write a program to calculate area of a circle.
8. Write a program to calculate area of a room.
9. Write a program to print Keywords list.
10. Write a program to enter your name and display your name n no of times.[Use \* Operator]
11. Write a program to swap two no.
12. Write a program to calculate simple interest.
13. Write a program to that prompts the user to enter the first name. Then display the following message.

Hello firstname

Welcome to Python

1. Write a Python program to print the following string in a specific format (see the output)  
   *Sample String :* "Twinkle, twinkle, little star, How I wonder what you are! Up above the world so high, Like a diamond in the sky. Twinkle, twinkle, little star, How I wonder what you are".[Use Escape Character \n and \t]

*Output :*

Twinkle, twinkle, little star,

                  How I wonder what you are!

                                     Up above the world so high,

                                     Like a diamond in the sky.

Twinkle, twinkle, little star,

                  How I wonder what you are

1. Write a Program to find compound interest.
2. Do some arithmetic on Python shell with the following operators:

+, - ,\* ,\*\* , / ,//, %

1. Write a Python program which accepts the radius of a circle from the user and compute the area.
2. Write a program to prepare a grocery bill. For that enter the name of items purchaged, quantity in which its is purchages, and its price per unit. Then display the bill in following format.

############################## B I LL############################

Item Name                                 Item Quantity                                   Item Price

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Total Amount to be paid:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Write a program to display data types of values entered by user.
2. Momentum is calculated as e=mc2.,where m is the mass of the object and c is its velocity. Write a program that accepts an object’s mass ( in KG) and velocity (in Meters per sec) and displays its momentum.
3. Write a program to convert a given integer (in seconds) to hours, minutes and seconds.