

Assignment -1

Python Programming

- **Need to answers all questions. Do not copy from others. if anybody copied from others will be awarded zero marks.**
- **Write all the questions in an order**
- **Theory questions:**
 1. List out all python features and its applications?
 2. What is a variable and variable constant? Explain each with example?
 3. Write steps how to write a python program?
 4. What is a type-casting? How many types are there?
 5. Define the following words:
 - a. comments
 - b. multiple assignments
 - c. indentation
 - d. statement
 - e. Escape sequence
 6. List out operators available in python? Each with one example?
- **Programming problems:**
 1. Write a python program to calculate area of triangle using Herno's formula:
 2. Write a python program to perform addition, Subtraction, Multiplication, Division, Module on two user input integer numbers?
 3. Write a python program to calculate area of a circle?
 4. Write a program to calculate the bill amount for an item given its quantity sold, value, discount?
 5. Write a program to swap two numbers without using third variable?
 6. Write a program to read two floating point numbers. Add these numbers and assign the result to an integer. Finally display the value of all the three variables?
 7. Write a program to find SI and CI?
 8. Write a program that calculates number of seconds in a day?
 9. Write a program to calculate salary of an employee given his Basic pay (take user input), HRA=10% and TA=5% of Basic pay. Then calculate the salary of employee?
 10. Write a program to String concatenate and repetition?