



## Assessment

1) Write the algorithm, and code for the following:

- a. Find minimum in a list.
- b. Insert a card in a list of sorted cards.
- c. Guess an integer number in a range

2) Write the algorithm, and code for the following:

- a) To find the sum of square root of any three numbers.
- b) To find the sum of first 100 integers.
- c) To find the sum of all odd numbers till 100.
- d) To find the sum of any five integers.
- e) To find the factorial of number n.
- f) To find the first n numbers in a Fibonacci series.
- g) To find the sum of digits of a number.
- h) To find whether a number is prime or not.
- i) To convert temperature from Fahrenheit to Celsius

3) What is tuple? What is the difference between list and tuple?

4) What is meant by module in python?

5) What is python break statement?

6) What is the output of `print( tuple[1:3])` if `tuple = ( 'abcd', 786 , 2.23, 'john', 70.2 )`, Explain?



7) Write code for a program that would simulate a banking system that would link the user's name to their account . (Once you enter name the system will recognize that it's your account).

8) Create a random app that would generate random college majors depending on 4 questions.