Please work out the following tasks:

* Practice as guided in Tutorials 1&2
* Complete the problems as required
* Save your solutions as an .ipynb file in Jupyter or .py in Spyder for part of the CW1 submission
* Complete your lab log

**Problem 1:** Open a new Python Window in Jupyter Notebook or generate a new code in Spyder and then use it to find the value of 52 + 78.

**Problem 2:** Create a python script to print “Hello, World!” four times.

**Problem 3:**  Write a Python program to print the following string in a specific format as follows:

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

**Problem 4:**  The code below is to generate the password. Please do the improvement of the code so that the password generated includes at least one number, one capital letter and one special character:

import random

passlen = int(input("Enter the length of password: \n"))

s="abcdefghijklmnopqrstuvwxyz01234567890ABCDEFGHIJKLMNOPQRSTUVWXYZ!@#$%^&\*()?"

p = "".join(random.sample(s,passlen ))

print ("The generated password: ", p)

**Challenge Problem:** write a python script that generates an acronym word from a given sentence.

**Hint:** You can use split and indexing to fetch the first word and then combine it.