**Week1 Challenges**

1. Write a python program called ***area.py*** :

* The program will get 2 inputs from user : <base> and <height>
* Calculate the area of the triangle and print the result.
* Formula : area\_of\_triangle = <base> \* <height> / 2
* For example, if <base> is 20 and <height> is 10, the program should print something like this:

The area of a triangle with base=20 and height=10 is: 100

1. Write a python program called ***your\_score.py*** :

* The program will take two inputs from user: <name> and <score>
* If score is 'equal or greater than' 60, print:

Good job, <name> !! You passed.

* If score is less than 60, print:

Oops, <name>, you failed. Try harder next time.

1. Write a python program called ***grade.py* :**

* The program will take two inputs from user: <name> and <score>
* Depending on the score, the program will print:

"Hi, <name>, your grade is <grade>"

* Grading:
  + E : when score is less than 60 (not including 60)
  + D : when score is greater or equal 60 AND less than 70
  + C : when score is greater or equal 70 AND less than 80
  + B : when score is greater or equal 80 AND less than 90
  + A : when score is greater or equal 90 AND less than 100
* When grading is 'A', print extra line: "Wow, Excellent!!"

1. Bonus: Write a python program to convert Celsius to Fahrenheit:

* The program will first ask user whether they want to:
  + Convert from Celsius to Fahrenheit
  + Convert Fahrenheit to Celsius
* Then the program will ask for a number. The prompt should base on question 1. For example:

Temperature (in degC) ?

* Calculate result. For example:

30 degC = 86 degF