

## Homework 4

PCEP

Tuesday @ 5:15pm

### Functions

1. Define a function named "UserInput" where it would ask the user to enter two numbers, min and max. If min and max are not given then default value will be 0.
2. Define a function named "generate\_number" in which you will pass the min and max from the previous function and generate a random number between the given interval.
3. Define a main function where "UserInput" and "generate\_number" are used and repeat until the user enters 0 for both the min and max.
4. Create a function that asks the user to enter their name and their age. Create a second function where it Prints out a message addressed to them that tells them the year that they will turn 100 years old.
5. Define a function where it asks the user for a number then returns the number. Define another function where it has one parameter depending on whether the number is even or odd, print out an appropriate message to the user.
6. Write a program that prints out all the elements of the list that are less than 5.  
Ex. [1 , 11 , 20 , 5 , 4 , 8 , 9 , 2 , 3]