**Python – Coding Practices**

Note: You can use the IDE that you like, or as explained in class Pycharm or Jupyter Notebook.

Task-1: Make a program that tells you the version of Python you are using

Task-2: Write a Python language program that converts meters to centimeters.

Task-3: Write a Python program that reads an integer value and displays the 1-10 times tables of the read value.

Task-4: Make an algorithm in Python language that receives two grades and calculate the arithmetic mean and show the result.

Task-5: Make an algorithm that when receiving the current salary of an employee, calculate the value of the new salary readjusted according to the table below:

| Current Salary | %Increase |
| --- | --- |
| bellow $1200,00 | 15% |
| $1200,00 up to R$3000,00 | 10% |
| More than $3000,00 | 5% |

Task-6: Write a program that displays all numbers between 5 and 100 that are divisible by 7 but are not multiples of 5. The numbers obtained must be printed in sequence.

Task-7: Make a program that receives a number entered by the user and calculates the sum of all numbers from 1 to the number entered. For example, if the user typed the number 4, the output would be 10 (1+2+3+4=10).

Task-8: Make a program that receiving an integer value, inform if the number is positive, negative or neutral.

Task-9: Create an algorithm that takes a number, counts the total number of digits, and displays the result. For example, if the number is 2021, then the output would be 4

Task-10: Write a Python language program, which reads a number n and prints the first n numbers of the Fibonacci sequence. Note: The Fibonacci sequence represents a pattern of numbers generated by adding the previous two together. Sequence values are often seen in nature and art, represented by spirals and the golden ratio (or the golden number). As an example of the golden ratio, we have the shells of some molluscs.