

## Presidential Initiative for Artificial Intelligence and Computing (PIAIC)

### PIAIC Batch 2 IoT (Session 12:15 - 03:15)

<https://www.piaic.org>

Internet of Things (IoT) Specialist Program

Quarter I: Rust Programming



### Assignment # 3

Q # 1. Write a function that receives one argument of any suitable data type and print whether the number is positive, negative or equal. (hint: if/else)

Q # 2. Write a function that receives 4 arguments of different data types (integer, float, boolean, string) and print them on the console.

Q # 3. Write a function that receives a number and return the number itself and its square by using tuple.

Q # 4. Write a program to know the result of the test (Pass/Fail) by using a function, and perform the following operations: (Note: Consider marks of only 2 subjects for the sake of simplicity. Maximum marks are 100 for each subject.)

- a. Add marks and print the total.
- b. Calculate the percentage and print it, return percentage to main function
- c. If percentage  $\geq 70$ , Print Pass, Else, print Fail.

**Important:** Use meaningful names while declaring variables and functions. Avoid 'a', 'b', 'x', 'y', etc..

Please click [here](#) to submit your assignment

(or paste this link in your browser <https://forms.gle/oDqyCNBD8ke1K7fP7> )