

Presidential Initiative for Artificial Intelligence and Computing (PIAIC)

PIAIC Batch 2 IoT (Session ONLINE)



<https://www.piaic.org>

Internet of Things (IoT) Specialist Program

Quarter I: Rust Programming

Assignment # 2

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

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

Q # 3. Write a rust program and define a user defined 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 user defined 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 ≥ 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/SxcriKEynNNWbC6G6>)