

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 # 2

Q # 1. Write a Rust program, in which you need to declare/initialize variables for Name, Email Id and Age. Print these information on your screen/terminal.

Q # 2. Take any integer value in a variable then add '1' to that then multiply it with '6', and print on your screen/terminal. You are not allowed to change the variable name throughout the program i.e you have to do shadowing.

Q # 3. Write a Rust program to perform mathematical operations between two numbers. Declare two integer variables and assign some hard-coded values to them. Then print the result of addition, subtraction, division, and multiplication in between these two variables.

Q # 4. Write a Rust program and declare a tuple for data "Name, Email Id and Age". Destructure the tuple in different variables and print them on your screen/terminal.

Q # 5. Write a Rust program by initializing an array of friends' names, and another array with their ages. Print the data as below:

Output be like:

Friend Name: Saleem - Age: 35

Friend Name: Mahwish - Age: 22

Friend Name: Irshad - Age: 28

(Note: For the sake of simplicity, limit only 5 friends' names.)

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

(or paste this link in your browser <https://forms.gle/wwRGY7pgJ1AW5RsHA>)