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 # 1

Q # 1. Write a Rust program, in which you need to declare/initialize variables for Product_Name, Product_manufacturer and Price. Print these information on your screen/terminal.

Q # 2. Take any integer value in a variable then add '5' to that then multiply it with '4', 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 float 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 "Fruit_Name, Weight and Price". Destructure the tuple in different variables and print them on your screen/terminal.

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

Output be like:
```
Car Name: Passo -   Price: 800000
Car Name: Vitz -    Price: 900000
Car Name: Swift -   Price: 950000
```
(Note: For the sake of simplicity, limit only 5 cars.)

Please click here to submit your assignment
(or paste this link in your browser https://forms.gle/T3AuiuatADcYGfLV9)