

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

**PIAIC Batch 3 Islamabad IoT (Morning, Evening and Online)**

<https://www.piaic.org>



### Internet of Things (IoT) Specialist Program

#### Quarter I: Rust Programming

#### Assignment # 6

**Due Date December 22, 2019**

Q. Write a Rust Program,

1) define a custom datatype using Struct with your favorite name. Which contains 3 fields, and 1 should be String Type.

2) In main function:

- A. Create an instance of the above defined struct
- B. Print complete instance
- C. Print instance by calling its fields.
- D. create another instance by using fields of first instance

3) define user defined function, User defined function should receive some arguments and return an instance of your above defined struct.

4) in main function call user defined function, Print instance returned by the user defined function.

**Important:** Use meaningful names while declaring variables, structs 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/Kow4JcMAGa4ZnSLF9> )