

Presidential Initiative for Artificial Intelligence and Computing (PIAIC)

PIAIC Batch 2 Quarter 2 IoT (Session ONLINE)



<https://www.piaic.org>

Internet of Things (IoT) Specialist Program

Quarter 2

Assignment # 1

Due Date December 17, 2019

Q # 1. Write a Rust program,

- > two user defined types `NewsArticle` and `Tweet` .
 `NewsArticle` consist of two fields : {author: String, content: String}
 `Tweet` consist of two fields : {username:String, content:String}
- > a trait with the name `Summary` , which contains a method signature.
 method signature like this: `fn summarize (&self) -> String;`
- > Implement `Summary` trait on type `NewsArticle` and `Tweet`.
- > In main function make instances of `NewsArticle` and `Tweet` and call `summarize` method on it.

Q # 2. Write a Rust program, Mr. Asim wants to adopt children from Yateem Khana. He wants to adopt those children only who have the primary education and are at least bilingual. Mr. Allah Bakhsh is the head of Yateem Khana. He is helping Mr Asim to make his visit successful.

He is showing him 2 children at a time by passing those 2 children(struct) in a user defined function. If both of the children have both of the above mentioned qualities(traits), then Mr. Asim happily brings them to their new home sweet home. How can you help Mr. Allah Bakhsh / Mr.Asim?

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

(or paste this link in your browser <https://forms.gle/2MtV4VhvQXhsDjBn9>)