

Presidential Initiative for Artificial Intelligence and Computing (PIAIC)

PIAIC Batch 4-35 IoT

<https://www.piaic.org>

Internet of Things (IoT) Specialist Program

Quarter 2: Rust Programming



Assignment # 3

Questions:

1. Run The following code and Explain the output in your wordings:

```
fn main(){
    let r ;
    {
        let x = 5;
        r=&x;
    }
    println!("{}",r);
}
```

2. Write a rust program:

- Define a struct Students with attributes (name , age , education, timing) all attributes must be reference of type str
- Impl a get_name method which Returns Student name as reference type
- Impl a get_timing method which returns Student timing as reference type
- Impl a get_edu method which returns Student education as reference type
- Create multiple instances of the struct.
- Call all the get methods of all the instances one by one and print them on your console.

For reference, review book and videos available on portal “Rust Programming Language Part 2”.

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 <https://forms.gle/eNjh73yYY3XGZyqAA> in your browser)