**IT-2106**

1. Open, compile, and run RunEncap.java and observe its runtime.

2. Write your observations regarding how encapsulation works for the program and the data it processed. Limit your paper to a single paragraph with at least 50 words or five(5) sentences.

Encapsulation in the provided code is exemplified by the `EncapTest` class, where data hiding is achieved by declaring the attributes (`name`, `age`, `idNum`) as private. This shields the internal state of the class from direct external access or modification. The encapsulated data is manipulated through the class's public setter methods (`setName()`, `setAge()`, `setIdNum()`), ensuring controlled modification while enforcing any necessary validation or logic. Conversely, the getter methods (`getName()`, `getAge()`, `getIdNum()`) permit access to retrieve the stored data, preserving the principle of controlled access. This design encapsulates the data within the class, enhancing security, promoting maintainability, and allowing for seamless future modifications without affecting the external code that interacts with it.