Antwalk Software Engineering Foundations

Java 8 Functionality

Assignment 3

Name: Arijit Saha, College: Future Institute of Engineering and Management, Employee Id: T23010330, Mail Id: arijits@trainee.nrifintech.com

```
Q1. FI -> abstract-> cube()

default -> square(), add()

static -> sub() mul() div()

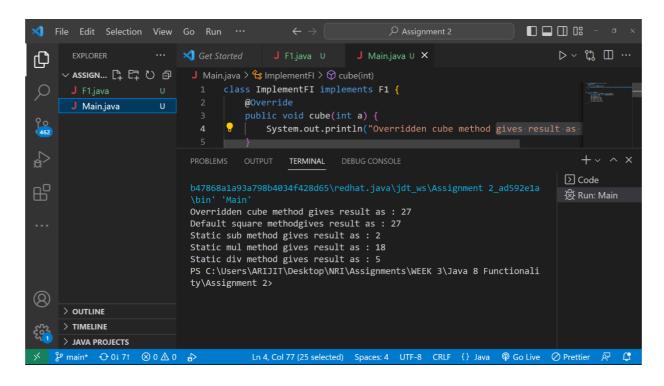
implement interface-> override abstract-> obj
```

Interface F1

Main.java

```
★ Get Started
                                                            J Main.java U X
凸
     ∨ ASSIGN... 🖺 🛱 ひ 🗗
                                   class ImplementFI implements F1 {
                                       @Override
       J Main.java
                                       public void cube(int a) {
90
                                           System.out.println("Overridden cube method gives result as
                                   public class Main {
                                       public static void main(String[] args) {
                                           ImplementFI obj = new ImplementFI();
                                           obj.cube(a: 3);
                                           obj.square(a: 3);
                                           F1.sub(i: 5,j: 3);
                                           F1.mul(i: 2, j: 9);
                                           F1.div(i: 25,j: 5);
     OUTLINE
     > TIMELINE
```

Output:



 $\mathbf{Q2}$. Create constructor (2 parameters) method reference for Person Class

Person.java

```
📢 File Edit Selection View Go Run Terminal Help
                                                                                                                                                                         ⊳ ~ ი 🗆 ..
Ф

✓ ASSIGNMENT 2

                                           interface PersonWithName {
    Person get(String name,Integer age);
                                           public class Person {
                                                private String name:
                                     10
                                                public Person(String name, Integer age) {
   this.name = name;
   this.age = age;
                                                public String getName() {
public void setName(String name) {
                                                     this.name = name;
                                                public Integer getAge() {
    return age;
                                                public void setAge(Integer age) {
   this.age = age;
      > OUTLINE
```

PersonTester.java

Output:

```
DOTICRER

WASSIGNMENT 2

J Fljava U
J Manjava U
J Personjava U
J P
```