```
@FunctionalInterface
interface FI {
    abstract int cube(int n);
    default int square(int n) {
        return n * n;
    default int add(int a, int b) {
        return a + b;
    static int sub(int a, int b) {
        return a - b;
    static int mul(int a, int b) {
        return a * b;
    static double div(int a, int b) {
        return a / b;
    }
public class FuncInterAssignment {
    public static void main(String[] args) {
        FI obj = (int n) \rightarrow n * n * n;
        System.out.println("cube = " + obj.cube(5));
        System.out.println("square = " + obj.square(6));
        System.out.println("add = " + obj.add(2, 4));
        System.out.println("sub = " + FI.sub(23, 6));
        System.out.println("mul = " + FI.mul(3, 7));
        System.out.println("div = " + FI.div(4, 2));
```

## Output:

```
C:\Dev\Antwalk Training\Assignments\RDBMS & Fundamentals of Oracle DB\Assignment 3 [main = +0 ~3 -0 !]> & 'C:\Program Files\Java\jdk-16.0.2\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\swair\AppData\Roaming\Code\User\workspaceStorage\9a8c6db9638e6277c86cefc807400172\redhat.java\jd dt_ws\Assignment 3_9d1aff66\bin' 'FuncInterAssignment' cube = 125 square = 36 add = 6 sub = 17 mul = 21 div = 2.0
```

Person Class:

```
public class Person {
    private String name;
    private int age;
    public Person(String name, int age) {
        super();
        this.name = name;
        this.age = age;
    public String getName() {
        return name;
    public void setName(String name) {
        this.name = name;
    public Integer getAge() {
        return age;
    public void setAge(int age) {
        this.age = age;
   @Override
    public String toString() {
        return "Person [name=" + name + ", age=" + age + "]";
```

**Tester Class:** 

```
@FunctionalInterface
interface MethodRefInterface {
    Person getPerson(String name, int age);
}

public class TesterMethodRefAssignment {
    public static void main(String[] args) {
        MethodRefInterface obj = Person::new;
        System.out.println(obj.getPerson("Peter", 25));
    }
}
```

## Output:

C:\Dev\Antwalk Training\Assignments\RDBMS & Fundamentals of Oracle DB\Assignment 3 [main = +3 ~2 -1 !]> & 'C:\Program Files\Java\jdk-16.0.2\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\swair\AppData\Roaming\Code\User\workspaceStorage\9a8c6db9638e6277c86cefc807400172\redhat.java\jdt\_ws\Assignment 3 \_9d1aff66\bin' 'TesterMethodRefAssignment'
Person [name=Peter, age=25]