## ACTIVITY 2 – 1

**[Source Code]**

```java
// Activity 2-1
// AGUIRRE, PAUL VINCENT S.

import java.util.*;

public class activity_8_6_2025 {
    static Scanner input = new Scanner(System.in);

    public static void main (String[] args){

        System.out.print("Enter First Number: ");
        int get_1 = input.nextInt();
        input.nextLine();

        System.out.print("Enter Second Number: ");
        int get_2 = input.nextInt();
        input.nextLine();

        System.out.println(get_1 + " + " + get_2);
        int result = get_1 + get_2;

        System.out.println("Result: " + result);

    }
}
```
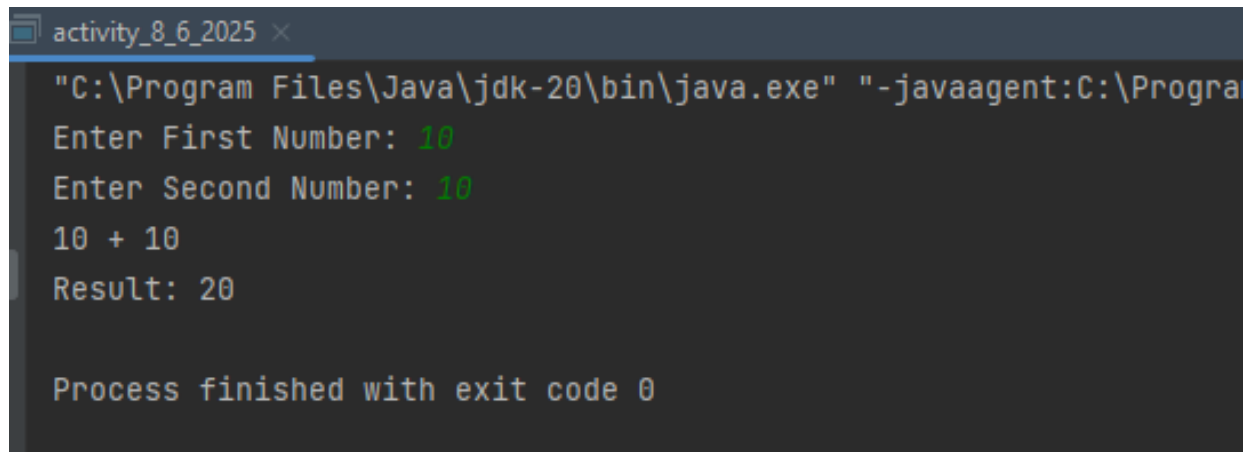
**[Output]**

```
activity_8_6_2025 ×

"C:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:C:\Progra
Enter First Number: 10
Enter Second Number: 10
10 + 10
Result: 20


Process finished with exit code 0
```

## ACTIVITY 2 – 2

**[Source Code]**

```java
import java.util.*;

public class activity2_2_and_8_6_2025 {
    static Scanner input = new Scanner(System.in);

    public static void main(String[] args) {

        System.out.print("Enter First Number: ");
        int get_1 = input.nextInt();
        input.nextLine();
        int result = get_1 * get_1;

        System.out.println("Result: " + result);
    }
}
```
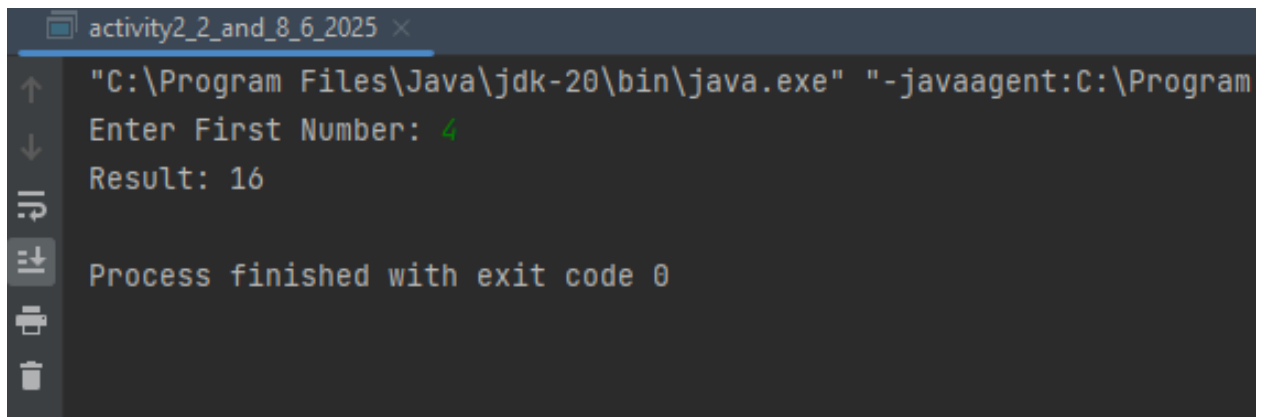
**[Output]**

```
activity2_2_and_8_6_2025 ×
  "C:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:C:\Program
  Enter First Number: 4
  Result: 16

  Process finished with exit code 0
```

## ACTIVITY 2 – 3

[Source Code]

```java
import java.util.Scanner;

public class activity2_to_3 {
    static Scanner input = new Scanner(System.in);

    public static void main(String[] args){

        int lop = 3;
        float s = 0;

        for (int i = 0 ; i < lop; i++){

            System.out.print("Enter Number" + (i + 1) + ": ");
            int get = input.nextInt();
            input.nextLine();
            s += get;
        }
        System.out.println("Sum: " + s);
        float ave = s / lop;
        System.out.println("Average: " + ave);
    }
}
```
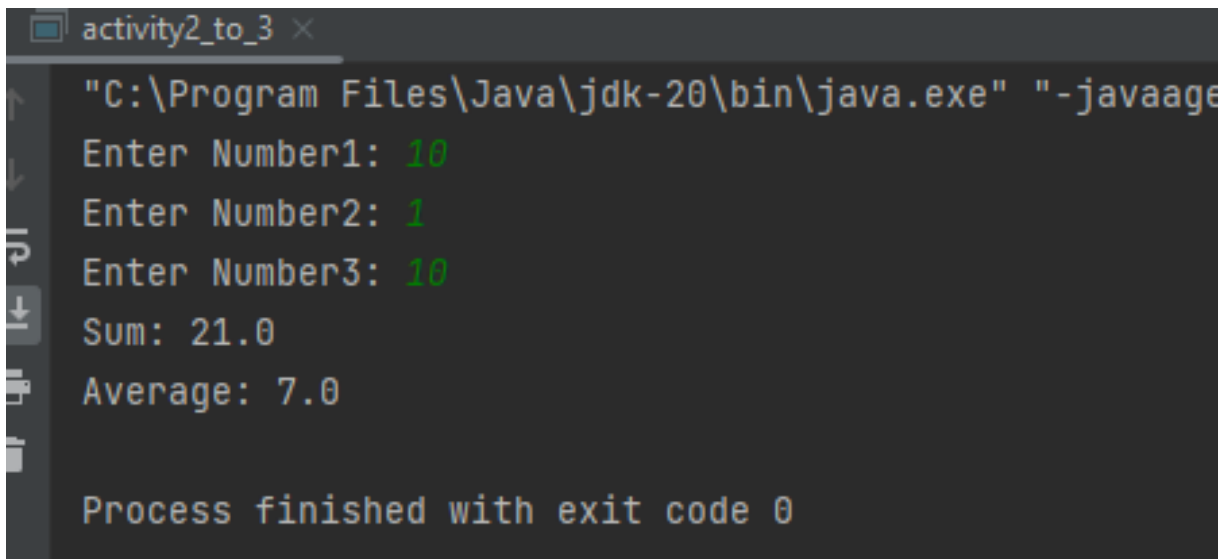
[Output]

```
activity2_to_3 ×

 "C:\Program Files\Java\jdk-20\bin\java.exe" "-javaage
 Enter Number1: 10
 Enter Number2: 1
 Enter Number3: 10
 Sum: 21.0
 Average: 7.0


 Process finished with exit code 0
```

## ACTIVITY 2 – 4

**[Source Code]**

```java
import java.util.*;

public class activity2_4 {
    static Scanner input = new Scanner(System.in);

    public static void main (String[] args){

        System.out.print("Enter seconds: ");
        int get_second = input.nextInt();
        input.nextLine();

        int min = get_second / 60;
        int sec = get_second % 60;

        // int hr = min / 60;

        System.out.println(min + " Minute and " + sec + " seconds");
        // System.out.println(hr + "Hours");
    }
}
```
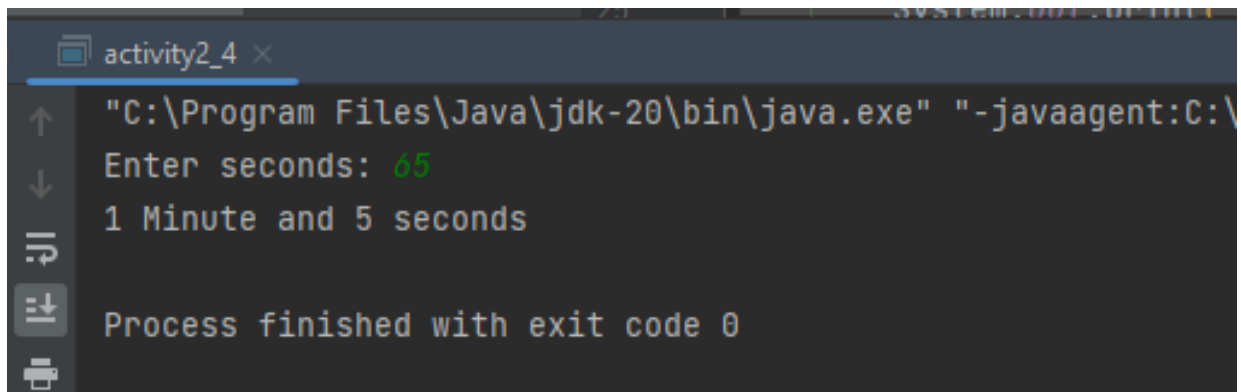
**[Output]**

```
activity2_4 ×
    "C:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:C:\
    Enter seconds: 65
    1 Minute and 5 seconds

    Process finished with exit code 0
```

## ACTIVITY 2 – 5

**[Source Code]**

```java
import java.util.*;

public class activity2_5 {
    static Scanner input = new Scanner(System.in);

    public static void main(String[] args){

        // Menu Print
        System.out.println("JAVA CAFE");
        System.out.println("Cappuccino: P95.00");
        System.out.println("Mocha: P90.00");
        System.out.println("Vanilla: P105.00\n");

        // Printing the ORDERS
        System.out.println("ORDERS");

        // Declaring the variable
        double cap = 95.00;
        double mo = 90.00;
        double va = 105.00;

        // Get user input
        System.out.print("Cappuccino: ");
        int get_cap = input.nextInt();
        input.nextLine();

        System.out.print("Mocha: ");
        int get_mo = input.nextInt();
        input.nextLine();

        System.out.print("Vanilla: ");
        int get_va = input.nextInt();
        input.nextLine();

        // Printing out the total of orders
        System.out.println("\nAMOUNT OF ORDERS");

        double total1 = cap * get_cap;
        System.out.println("Cappuccino: P" + total1);

        double total2 = mo * get_mo;
        System.out.println("Mocha: P" + total2);

        double total3 = va * get_va;
        System.out.println("Vanilla: P" + total3);

        // Getting the total of all orders
        double total = total1 + total2 + total3;
        System.out.println("\nTOTAL AMOUNT: " + total);

        // Get the cash of the user
        System.out.print("CASH: ");
        int get_cash = input.nextInt();
        input.nextLine();

        // Printing the Changes
        double change = get_cash - total;
        System.out.println("CHANGE: " + change);

    }
}
```

**[Output]**

```
activity2_5 ×
    "C:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\Int
    JAVA CAFE
    Cappuccino: P95.00
    Mocha: P90.00
    Vanilla: P105.00

    ORDERS
    Cappuccino: 1
    Mocha: 0
    Vanilla: 2

    AMOUNT OF ORDERS
    Cappuccino: P95.0
    Mocha: P0.0
    Vanilla: P210.0

    TOTAL AMOUNT: 305.0
    CASH: 320
    CHANGE: 15.0

    Process finished with exit code 0
```

## ACTIVITY 2 – 6

### [Source Code]

```java
import java.util.Scanner;
public class activity2_6 {
    static Scanner input = new Scanner(System.in);

    public static void main (String[] args){

        System.out.print("Last Name: ");
        String last_name = input.nextLine();

        System.out.print("First Name: ");
        String first_name = input.nextLine();

        System.out.print("Middle Initial: ");
        String middle = input.nextLine();

        System.out.print("Course: ");
        String course = input.nextLine();

        System.out.print("Year Level: ");
        int year = input.nextInt();
        input.nextLine();

        System.out.println("\nPRELIM GRADE");

        System.out.print("Attendance: ");
        int atten = input.nextInt();
        input.nextLine();
        double get_atten = atten * 0.05;

        System.out.print("Recitation: ");
        int rec = input.nextInt();
        input.nextLine();
        double get_rec = rec * 0.05;

        System.out.print("Assignment: ");
        int assign = input.nextInt();
        input.nextLine();
        double get_assign = assign * 0.05;

        System.out.print("Quiz: ");
        int quiz = input.nextInt();
        input.nextLine();
        double get_quiz = quiz * 0.20;

        System.out.print("Seat Work: ");
        int sw = input.nextInt();
        input.nextLine();
        double get_sw = sw * 0.10;

        System.out.print("Project: ");
        int proj = input.nextInt();
        input.nextLine();
        double get_proj = proj * 0.15;

        System.out.print("Exam: ");
        int exam = input.nextInt();
        input.nextLine();
        double get_exam = exam * 0.40;

        double total = get_atten + get_rec + get_assign + get_quiz + get_sw + get_proj + get_exam;

        System.out.println("\nSTUDENT NAME: " + first_name + " "+ middle + " " + last_name);
        System.out.println("COURSE: " + course);
        System.out.println("YEAR: " + year);
        System.out.println("PRELIM GRADE: " + total);

    }
}
```

[Output]

```
activity2_6 ×
"C:\Program Files\Java\jdk-20\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDE
Last Name: Aguirre
First Name: Paul Vincent
Middle Initial: S.
Course: BSCS
Year Level: 2

PRELIM GRADE
Attendance: 90
Recitation: 85
Assignment: 88
Quiz: 90
Seat Work: 85
Project: 90
Exam: 89

STUDENT NAME: Paul Vincent S. Aguirre
COURSE: BSCS
YEAR: 2
PRELIM GRADE: 88.75

Process finished with exit code 0
```