



SLTC
Research University

**BSC. (HONS) IN ELECTRONICS AND TELECOMMUNICATIONS
ENGINEERING**

ECS2301 – Software Engineering and Project

LAB ASSIGNMENT NO. : 01

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Lab Exercise 01

Akindu - Apache NetBeans IDE 24

Akindu.java

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
4   */
5
6 package akindu;
7
8 /**
9  * @author User
10 */
11 public class Akindu {
12
13     public static void main(String[] args) {
14         // Display message Welcome to Akindu! middle of the console
15         System.out.println("Welcome to Akindu!");
16     }
17 }
18
19
```

Akindu - Navigator

Members

- Akindu
 - Akindu1
 - Akindu2
 - Akindu3

Output - Akindu (run) :

```
run:
Welcome to Akindu!
BUILD SUCCESSFUL (total time: 0 seconds)
```

Lab Exercise 02

Akindu1 - Apache NetBeans IDE 24

Akindu1.java

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
4   */
5
6 package akindu1;
7
8 /**
9  * @author User
10 */
11 public class Akindu1 {
12
13     public static void main(String[] args) {
14         String name = "Akinda";
15         String position = " Undergraduate";
16         System.out.println("My name is " + name + position);
17     }
18 }
19
20
```

Akindu1.java - Navigator

Members

- Akindu1
 - Akindu1

Output - Akindu1 (run) :

```
run:
My name is Akinda Undergraduter
BUILD SUCCESSFUL (total time: 0 seconds)
```

Lab Exercise 03

The screenshot shows the Apache NetBeans IDE 24 interface. The project navigation pane on the left lists projects Akindu, Akindu1, Akindu2, and Akindu3. Under Akindu2, the Source Packages folder contains a package named 'akindu2' which holds the file 'Akindu2.java'. The code editor window displays the following Java code:

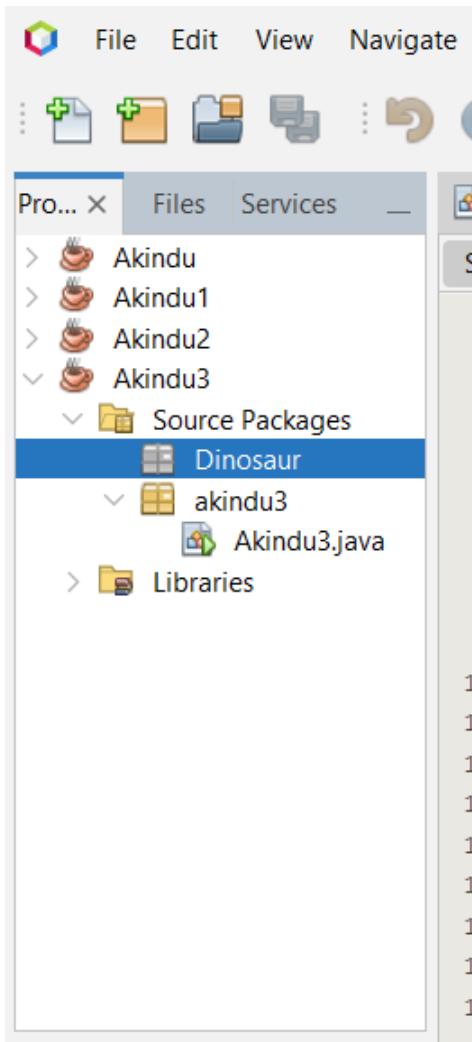
```
1  /*
2  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
4  */
5  package akindu2;
6
7  /**
8  *
9  * @author User
10 */
11 public class Akindu2 {
12     public static void main(String[] args) {
13         String openingHours = "08 : 00";
14         String closingHours = "20 : 00";
15         System.out.println("Open - " + openingHours);
16         System.out.println("Close - " + closingHours);
17     }
18 }
19 }
```

The Output window at the bottom shows the run results:

```
run:
Open - 08 : 00
Close - 20 : 00
BUILD SUCCESSFUL (total time: 0 seconds)
```

At the bottom left, it says "Finished building Akindu2 (run)".

Lab Exercise 04



Lab Exercise 05

The screenshot shows the Apache NetBeans IDE 24 interface. The project tree on the left contains a package named 'Akindu4' with a source file 'Akindu4.java'. The code in 'Akindu4.java' is as follows:

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
 */
package akindu4;

/**
 *
 * @author User
 */
public class Akindu4 {

    public static void main(String[] args) {
        String name = "Akindu";
        System.out.println("Welcome, " +name+ " to Mesozoic Eden!");
    }
}
```

The 'Output - Akindu4 (run)' window shows the results of running the program:

```
run:
Welcome, Akindu to Mesozoic Eden!
BUILD SUCCESSFUL (total time: 0 seconds)
```

Lab Exercise 06

The screenshot shows the Apache NetBeans IDE 24 interface. The project tree on the left contains a package named 'Akindu5' with a source file 'Akindu5.java'. The code in 'Akindu5.java' is as follows:

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
 */
package akindu5;

/**
 *
 * @author User
 */
public class Akindu5 {

    public static void main(String[] args) {
        String name = "Akindu";
        System.out.println("Welcome, " +name+ " to Mesozoic Eden!");
        System.out.println("Mesozoic Eden is safe and secure.");
    }
}
```

The 'Output - Akindu5 (run)' window shows the results of running the program:

```
run:
Welcome, Akindu to Mesozoic Eden!
Mesozoic Eden is safe and secure.
BUILD SUCCESSFUL (total time: 0 seconds)
```