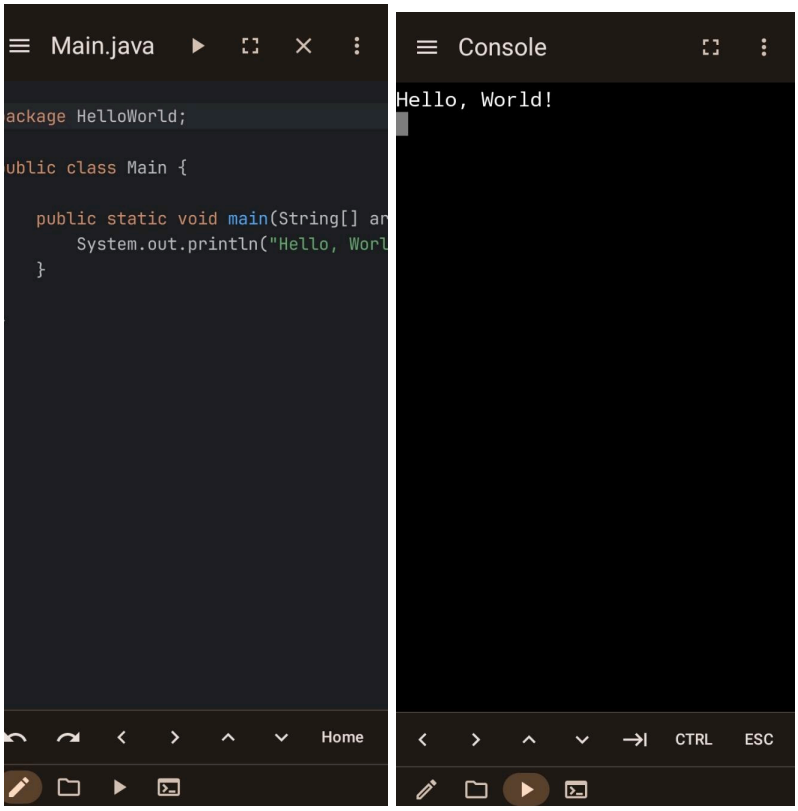
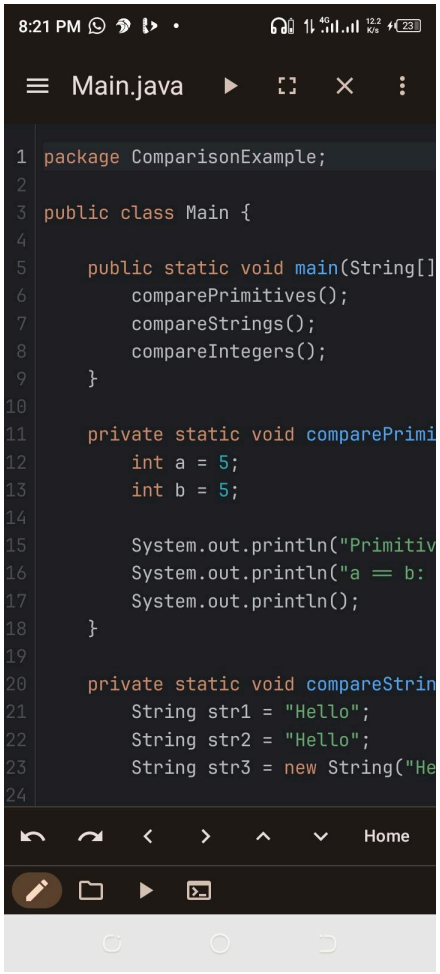
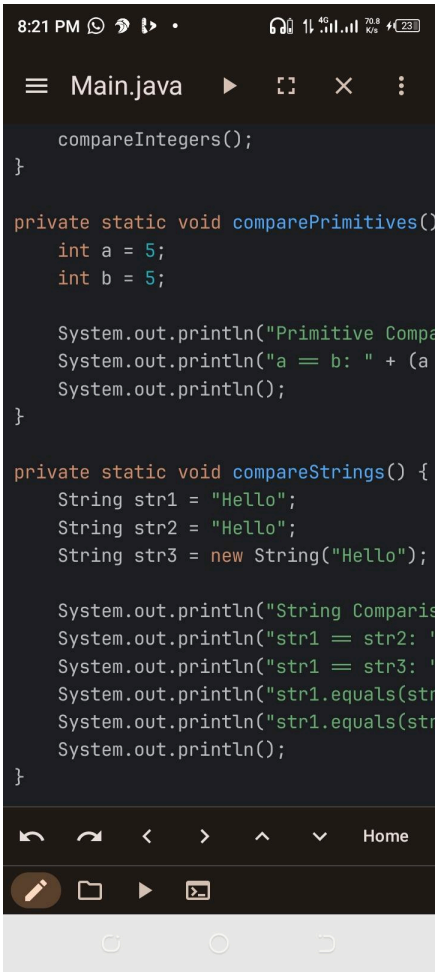
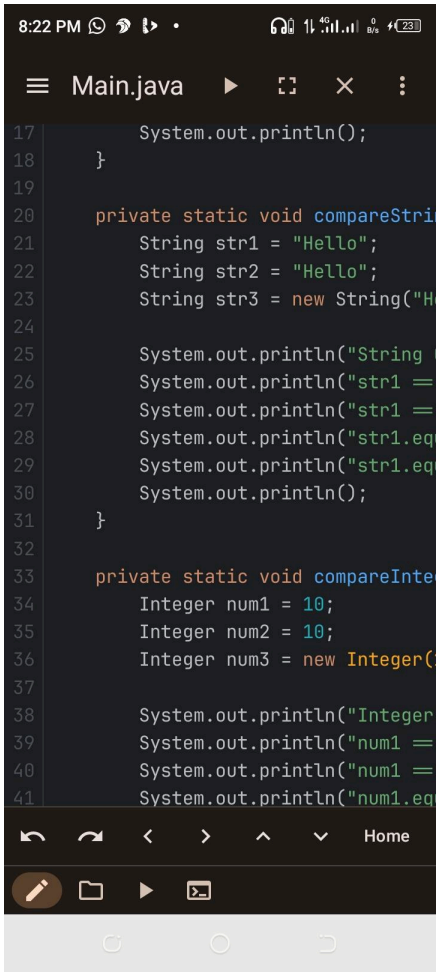

Main.java
ackage HelloWorld;
ublic class Main {
public static void main(String[] ar
System.out.println("Hello, Worl
}
Home
Console
Hello, World!
CTRL
ESC

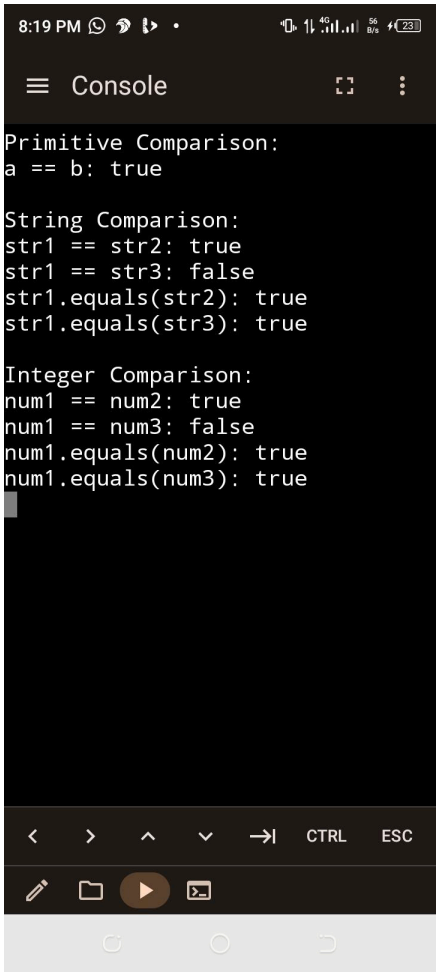


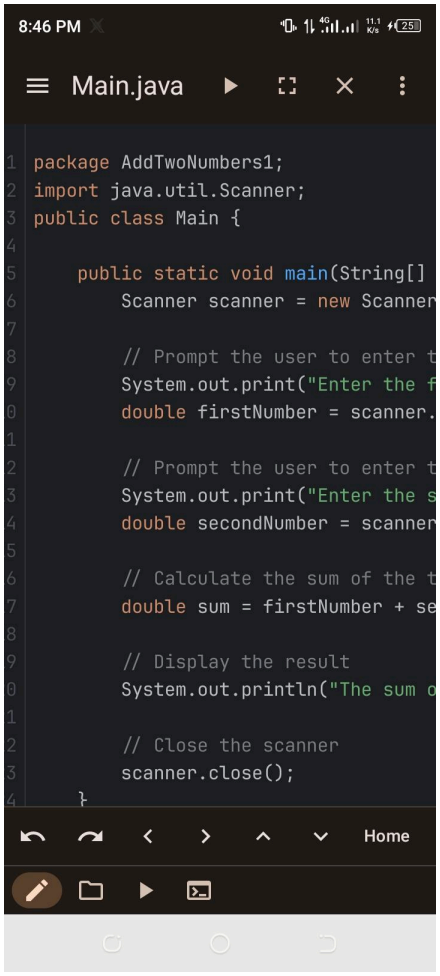

```java
package ComparisonExample;

public class Main {

    public static void main(String[]
        comparePrimitives();
        compareStrings();
        compareIntegers();
    }

    private static void comparePrimi
        int a = 5;
        int b = 5;

        System.out.println("Primitiv
        System.out.println("a == b:
        System.out.println();
    }

    private static void compareStrin
        String str1 = "Hello";
        String str2 = "Hello";
        String str3 = new String("He
```

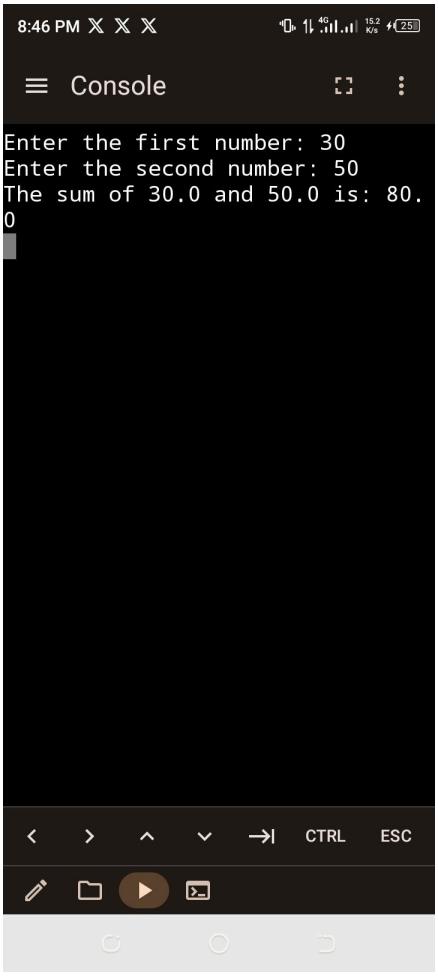


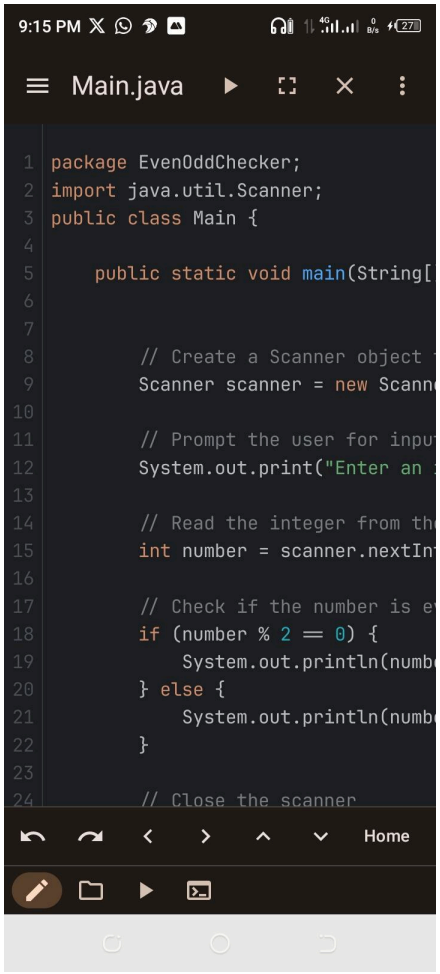

```java
    compareIntegers();
}

private static void comparePrimitives()
    int a = 5;
    int b = 5;

    System.out.println("Primitive Compa
    System.out.println("a == b: " + (a
    System.out.println();
}

private static void compareStrings() {
    String str1 = "Hello";
    String str2 = "Hello";
    String str3 = new String("Hello");

    System.out.println("String Comparis
    System.out.println("str1 == str2: "
    System.out.println("str1 == str3: "
    System.out.println("str1.equals(str
    System.out.println("str1.equals(str
    System.out.println();
}
```

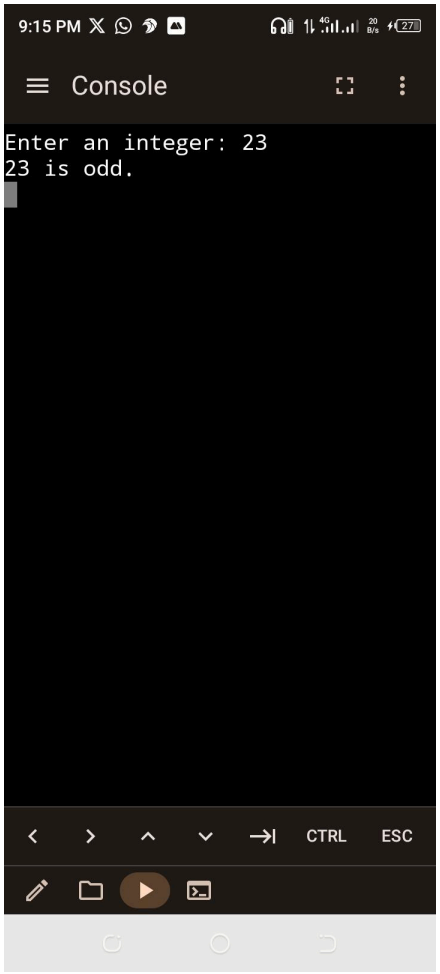

8:22 PM
Main.java
System.out.println();
}
private static void compareStri
String str1 = "Hello";
String str2 = "Hello";
String str3 = new String("H
System.out.println("String
System.out.println("str1 ==
System.out.println("str1 ==
System.out.println("str1.eq
System.out.println("str1.eq
System.out.println();
}
private static void compareInte
Integer num1 = 10;
Integer num2 = 10;
Integer num3 = new Integer(
System.out.println("Integer
System.out.println("num1 ==
System.out.println("num1 ==
System.out.println("num1.eq
Home

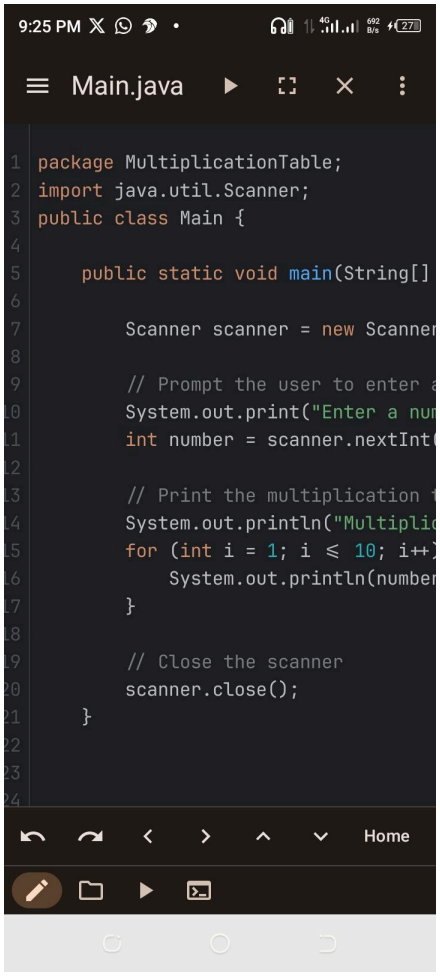

8:19 PM
Console
Primitive Comparison:
a == b: true
String Comparison:
str1 == str2: true
str1 == str3: false
str1.equals(str2): true
str1.equals(str3): true
Integer Comparison:
num1 == num2: true
num1 == num3: false
num1.equals(num2): true
num1.equals(num3): true
CTRL
ESC

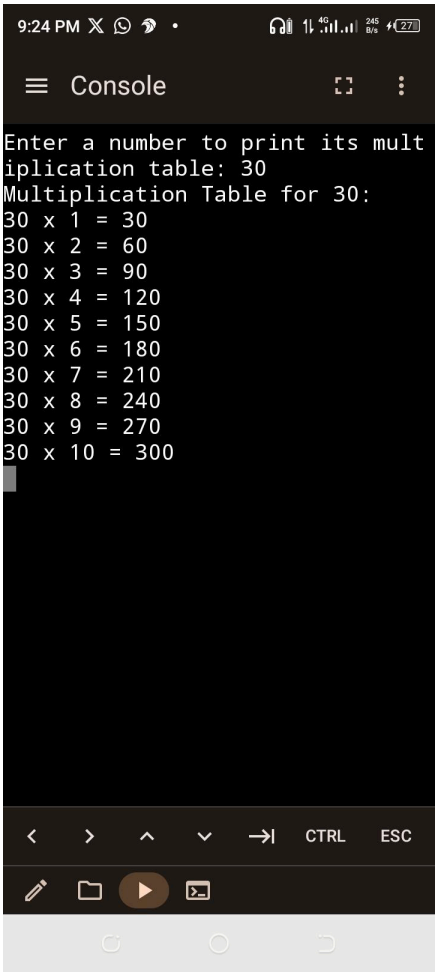

8:46 PM
Main.java
package AddTwoNumbers1;
import java.util.Scanner;
public class Main {
public static void main(String[]
Scanner scanner = new Scanner
// Prompt the user to enter t
System.out.print("Enter the f
double firstNumber = scanner.
// Prompt the user to enter t
System.out.print("Enter the s
double secondNumber = scanner
// Calculate the sum of the t
double sum = firstNumber + se
// Display the result
System.out.println("The sum o
// Close the scanner
scanner.close();
}
Home

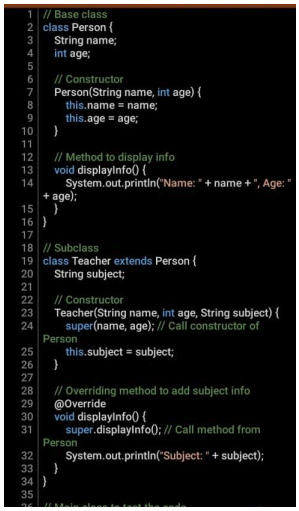

8:46 PM
Console
Enter the first number: 30
Enter the second number: 50
The sum of 30.0 and 50.0 is: 80.
0
CTRL
ESC


9:15 PM
Main.java
package EvenOddChecker;
import java.util.Scanner;
public class Main {
public static void main(String[
// Create a Scanner object
Scanner scanner = new Scann
// Prompt the user for inpu
System.out.print("Enter an
// Read the integer from th
int number = scanner.nextIn
// Check if the number is e
if (number % 2 == 0) {
System.out.println(numb
} else {
System.out.println(numb
}
// Close the scanner
Home

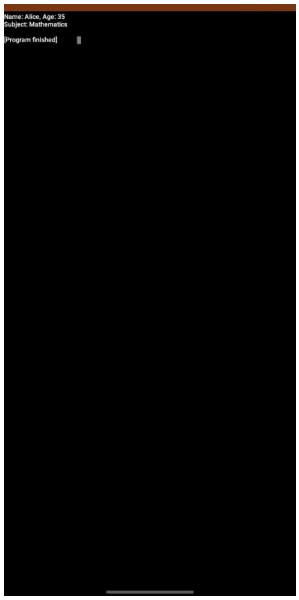

9:15 PM
Console
Enter an integer: 23
23 is odd.
CTRL
ESC







```java
// Base class
class Person {
    String name;
    int age;

    // Constructor
    Person(String name, int age) {
        this.name = name;
        this.age = age;
    }

    // Method to display info
    void displayInfo() {
        System.out.println("Name: " + name + ", Age: " + age);
    }
}

// Subclass
class Teacher extends Person {
    String subject;

    // Constructor
    Teacher(String name, int age, String subject) {
        super(name, age); // Call constructor of Person
        this.subject = subject;
    }

    // Overriding method to add subject info
    @Override
    void displayInfo() {
        super.displayInfo(); // Call method from Person
        System.out.println("Subject: " + subject);
    }
}
```


Name: Alice, Age: 35
Subject: Mathematics
[Program finished]