Program 1

public class Main {

public static void main(String[] args) {

System.out.println(lastDigit(7, 17));

System.out.println(lastDigit(6, 17));

System.out.println(lastDigit(3, 113));

}

public static boolean lastDigit(int a, int b) {

return (a % 10 == b % 10);

}

}

Program 2

public class Main {

public static void main(String[] args) {

System.out.println(isEven(6));

System.out.println(isEven(7));

System.out.println(isEven(9));

}

public static boolean isEven(int n) {

return (n % 2 == 0);

}

}

Program 3

public class Main {

public static void main(String[] args) {

System.out.println(sumDouble(1, 2)); // 3

System.out.println(sumDouble(3, 2)); // 5

System.out.println(sumDouble(2, 2)); // 8

}

public static int sumDouble(int a, int b) {

if (a == b) {

return 2 \* (a + b);

} else {

return a + b;

}

}

}

Program 4

public class Main {

public static void main(String[] args) {

System.out.println(makes10(9, 10));

System.out.println(makes10(9, 9));

System.out.println(makes10(1, 9));

}

public static boolean makes10(int a, int b) {

return (a == 10 || b == 10 || a + b == 10);

}

}

Program 5

public class Main {

public static void main(String[] args) {

System.out.println(in1020(12, 99));

System.out.println(in1020(21, 12));   
 System.out.println(in1020(8, 99));

}

public static boolean in1020(int a, int b) {

return (a >= 10 && a <= 20) || (b >= 10 && b <= 20);

}

}