public class Task003 {

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

return a+b;

}

public static void main(String[] args){

int num1 = 2;

int num2 = 3;

int result = add(num1, num2);

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

}

}

public class Task004{

public static void main(String[] args) {

int a = 5, b = 10;

System.out.println("Before swap: a = " + a + ", b = " + b );

int temp = a;

a = b;

b = temp;

System.out.println("After swap: a = " + a + ", b = " + b);

}

}

public class Task005 {

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

return a + b;

}

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

return a - b;

}

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

return a \* b;

}

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

if (b == 0) {

System.out.println("Error: Division by zero");

return 0;

}

return a / b;

}

public static void main(String[] args) {

int num1 = 20;

int num2 = 5;

System.out.println("Addition: " + add(num1, num2));

System.out.println("Subtraction: " + subtract(num1, num2));

System.out.println("Multiplication: " + multiply(num1, num2));

System.out.println("Division: " + divide(num1, num2));

}

}

public class Task006 {

public static void main(String[] args) {

int a = 15;

int b = 20;

String result = (a > b) ? "a is greater than b" : "b is greater than a";

System.out.println(result);

}

}

import java.util.Scanner;

public class Task007 {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.print("Enter your email Id: ");

String email = sc.nextLine();

System.out.print("Enter your password: ");

String password = sc.nextLine();

System.out.println("\nYour entered details: ");

System.out.println("Email ID: " + email);

String hiddenPassword = new String(new char[password.length()]).replace("\0", "\*");

System.out.println("password:" + hiddenPassword);

sc.close();

}

}

public class Customer {

private String name;

private String id;

public Customer(String name, String id) {

this.name = name;

this.id = id;

}

public void displayCustomer() {

System.out.println("Customer Name: " + name);

System.out.println("Customer ID: " + id);

}

}

public class Task008 {

public static void main(String[] args) {

Customer cust = new Customer("Harish", "101");

cust.displayCustomer();

}

}

public class Task009 {

public static void main(String[] args) {

int num1 = 10;

int num2 = 20;

if (num1 > num2) {

System.out.println("num1 is greater");

}

else {

System.out.println("num2 is greater");

}

}

}

public class Task010 {

public static void main(String[] args) {

int num1 = 10;

int num2 = 25;

int num3 = 15;

int largest;

if (num1 >= num2 && num1 >= num3) {

largest = num1;

} else if (num2 >= num1 && num2 >= num3) {

largest = num2;

} else {

largest = num3;

}

System.out.println("The largest number is: " + largest);

}

}