**DAILY ASSESSMENT FORMAT**

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| **Date:** | **11-06-2020** | **Name:** | **Yalpi Nandika** |
| **Course:** | **Java Coding Challenge** | **USN:** | **4AL17EC096** |
| **Topic:** | 1. **Swap Value of 2 Variables.** 2. **Leap Year.** 3. **Distance between 2 points.** | **Semester & Section:** | **6th sem B sec** |
| **Github Repository:** | **Yalpi-Online-Courses** |  |  |

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| **TODAY SESSION DETAILS** |
| **Image of session:**  **/\***  **Title: Swap value of two variables**  **>> Write down a program that will swap value of two variable**  **## Test ##**  **input: n1 = 2, n2 = 3 output: n1 = 3, n2 = 2**  **\*/**  **package com.techbarik;**  **import java.util.Scanner;**  **public class Main {**  **public static void main(String[] args) {**  **Scanner scanner = new Scanner(System.in);**  **int n1, n2;**  **System.out.println("Enter two integers:");**  **n1 = scanner.nextInt();**  **n2 = scanner.nextInt();**  **// using temporary variable**  **/\***  **int tmp = n1;**  **n1 = n2;**  **n2 = tmp;**  **System.out.println("n1=" + n1 + " n2=" + n2);**  **\*/**  **// n1 = n1 + n2;**  **// n2 = n1 - n2;**  **// n1 = n1 - n2;**  **n1 = n1 \* n2;**  **n2 = n1 / n2;**  **n1 = n1 / n2;**  **System.out.println("n1=" + n1 + " n2=" + n2);**  **}**  **}**  **/\***  **Title: Leap Year**  **>> Write down a program that will take a year as input and will check the given**  **>> year is a leap year or not**  **## Test ##**  **input: 2020 output: true**  **input: 2021 output: false**  **\*/**  **package com.techbarik;**  **import java.util.Scanner;**  **public class Main {**  **public static void main(String[] args) {**  **Scanner scanner = new Scanner(System.in);**  **int year;**  **System.out.println("Enter a year:");**  **year = scanner.nextInt();**  **if(year%400==0) {**  **System.out.println(true);**  **} else if(year%100==0) {**  **System.out.println(false);**  **} else if(year%4==0) {**  **System.out.println(true);**  **} else {**  **System.out.println(false);**  **}**  **}**  **}** |
| **/\***  **Title: Distance between two points**  **>> Write down a program that will take two points of a straight line as input and**  **>> will find the distance between two points formula: distance = sqrt of (x2-x1)^2+(y2-y1)^2**  **## Test ##**  **input: x1=1, y1=2, x2=3, y2=3 output: 2.236**  **input: x1=2, y1=2, x2=5, y2=5 output: 4.243**  **\*/**  **package com.techbarik;**  **import java.util.Scanner;**  **public class Main {**  **public static void main(String[] args) {**  **Scanner scanner = new Scanner(System.in);**  **float x1, y1, x2, y2;**  **System.out.println("x1=");**  **x1 = scanner.nextFloat();**  **System.out.println("y1=");**  **y1 = scanner.nextFloat();**  **System.out.println("x2=");**  **x2 = scanner.nextFloat();**  **System.out.println("y2=");**  **y2 = scanner.nextFloat();**  **float side1 = x2 - x1;**  **float side2 = y2 - y1;**  **double distance = Math.sqrt(side1\*side1 + side2\*side2);**  **System.out.printf("%.3f", distance);**  **}**  **}** |