**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **17-07-2020** | | | | | **Name:** | **Anix Jugal D’Cunha** | |
| **Sem & Sec** | **8 sem , A sec** | | | | | **USN:** | **4AL16CS013** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **Not Conducted** | | | | | | |
| **Max. Marks** | | **--** | | **Score** | | | **--** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Complete PHP OOP Concepts for Absolute Beginners + Projects** | | | | | | | |
| **Certificate Provider** | | | **Udemy** | | **Duration** | | | 10.5 hours |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement:** Java Code to Calculate Years Between Two Dates. | | | | | | | | |
| **Status: Competed** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **yes** | | | |
| **If yes Repository name** | | | | | **alvas-education-foundation/dcunhaanixjugal** | | | |
| **Uploaded the report in slack** | | | | | **yes** | | | |

Online Test Details: (Attach the snapshot and briefly write the report for the same)

**Not Conducted**

Certification Course Details: (Attach the snapshot and briefly write the report for the same)



Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

## Program-> Java Code to Calculate Years Between Two Dates.

|  |
| --- |
|  |

**class checkValidDate**

**{**

**public static void main(String args[])**

**{**

**Scanner input = new Scanner (System.in);**

**int t1=0,t2=0,y=0,m1=0,d=0;**

**int[] m = new int[]{ 31,28,31,30,31,30,31,31,30,31,30,31};**

**int[][] date= new int[2][3];**

**String[] s = new String[] {"year","month","day"};**

**for(int i=0;i<2;)**

**{**

**System.out.println("enter date"+(i+1));**

**for(int j=0;j<3;j++)**

**{**

**System.out.println("enter "+s[j]);**

**date[i][j]= input.nextInt();**

**}**

**int valid=check\_valid\_date(date[i],m);**

**if(valid==1)**

**{**

**i++;**

**}**

**else**

**{**

**System.out.println("error:enter valid date");**

**}**

**}**

**if(date[0][0]>date[1][0])**

**{**

**System.out.println("error: invalid data");**

**return;**

**}**

**else**

**{**

**t1=leapyear(date[0][0]);**

**t2=leapyear(date[1][0]);**

**y=date[1][0]-date[0][0];**

**if(date[1][1]<date[0][1])**

**{**

**y--;**

**m1=12-date[0][1]+date[1][1];**

**if(date[1][2]<date[0][2])**

**{**

**m1--;**

**d=m[date[0][1]]-date[0][2]+date[1][2];**

**}**

**else**

**{**

**d=date[1][2]-date[0][2];**

**}**

**}**

**else**

**{**

**m1=date[1][1]-date[0][1];**

**}**

**}**

**System.out.println(date[0][2]+"-"+date[0][1]+"-**

**"+date[0][0]+" to "+date[1][2]+"-"+date[1][1]+"-"+date[1][0]);**

**System.out.println(y+"years "+m1+"months "+d+"days");**

**}**

**static int leapyear(int year)**

**{**

**int leap=0;**

**if ((year % 400 == 0)||(year % 4 == 0 && year % 100 != 0)) // check**

**whether year is a leap year**

**{**

**leap = 1;**

**}**

**return leap;**

**}**

**static int monthvalidation(int month,int days,int m)**

**{**

**int i=0,j=0;**

**if(month>=1 && month<=12)**

**{**

**i=1;**

**}**

**if(days>=1 && days<=m)**

**{**

**j=1;**

**}**

**if(i+j==2)**

**{**

**return 1;**

**}**

**else**

**{**

**return 0;**

**}**

**}**

**static int check\_valid\_date(int a[],int t[])**

**{**

**int leap,month,temp=0;**

**if(a[0]>0)**

**{**

**leap=leapyear(a[0]);**

**if(leap==1 && a[1]==2)**

**temp=1;**

**month=monthvalidation(a[1],a[2],t[a[1]]+temp);**

**if(month==1)**

**return 1;**

**else**

**return 0;**

**}**

**else**

**{**

**return 0;**

**}**

**}**

**}**

**Output:**

**enter date1**

**enter year**

**1993**

**enter month**

**7**

**enter day**

**7**

**enter date2**

**enter year**

**2020**

**enter month**

**5**

**enter day**

**12**