Projektarbete inom affärssystem

PROAFF - 7,5hp HT2024

Version 2

Assignment 1

Objective – get familiar with while loop, if, switch, and use sequence and flowchart.

Task – 1

Create a UiPath file that writes odd numbers from 1 to 50 followed by even number from 1 to 50.

(File name of UiPath process – Task 1)

Task – 2

Create a UiPath file that accepts an integer number from the user and generates the list of odd from 1 to the accepted number and displays it to the user using both output console and a message box.

(File name of UiPath process – Task 2)

Task – 3

Create a UiPath file that accepts a salary of an individual and calculates tax and net salary and displays the output on the console and on a message box. (The Tax calculation here is not a realistic example, but it is meant to evaluate your understanding of the if-statement in UiPath) – Hint – Use **if**

Tax- is calculated as:

if salary < 5000, then Tax = 0,
If Salary < 12000, then Tax = 15% of Salary
If Salary < 25000, then Tax = 20% of Salary
If Salary < 30000, then Tax = 29% of Salary
If Salary < 40000, then Tax = 35% of Salary
Otherwise Tax is 45 % of Salary,
Net Salary is simply Salary = Salary - Tax

(File name of UiPath process – Task 3)

Task – 4

Create a UiPath file that accepts a result of a course of an individual and calculates the grade, then displays the output on the console and on a message box. – Hint (you can use either if) - (File name of UiPath process – Task 4)

Grade – is calculated as:

If result > 93, then Grade = “A”,
If result > 88, then Grade = “B”,
If result > 60, then Grade = “C”,
If result > 50, then Grade = “D”,
If result >= 40, then Grade = “E”,
If result < 35, then Grade = “Fx”,
Otherwise, then Grade = “F”,

Task – 5

Use flow chart and create the following process with the activities described below (File name of UiPath process should be – Task 5)

Get salary information from the user

- Get salary from an individual
- Get age of an individual

Then calculate task and display the result as follows, using the conditions described below

If Age <25

Tax- is calculated as:
If salary < 5000, then Tax = 0,
If Salary < 12000, then Tax = 7% of Salary
If Salary < 25000, then Tax = 15% of Salary
If Salary < 30000, then Tax = 25% of Salary
If Salary < 40000, then Tax = 29% of Salary
Otherwise Tax is 35 % of Salary,
If Age <35

Tax- is calculated as:
If salary < 5000, then Tax = 5,
If Salary < 12000, then Tax = 10% of Salary
If Salary < 25000, then Tax = 20% of Salary
If Salary < 30000, then Tax = 29% of Salary
If Salary < 40000, then Tax = 35% of Salary
Otherwise Tax is 39 % of Salary,

If Age<45

Tax- is calculated as:
If salary < 5000, then Tax = 7,
If Salary < 12000, then Tax = 15% of Salary
If Salary < 25000, then Tax = 25% of Salary
If Salary < 30000, then Tax = 34% of Salary
If Salary < 40000, then Tax = 39% of Salary
Otherwise Tax is 45 % of Salary,

If Age < 55

Tax- is calculated as:
If salary < 5000, then Tax = 10,
If Salary < 12000, then Tax = 19% of Salary
If Salary < 25000, then Tax = 29% of Salary
If Salary < 30000, then Tax = 38% of Salary
If Salary < 40000, then Tax = 43% of Salary
Otherwise Tax is 45 % of Salary,

Otherwise

Tax- is calculated as:
If salary < 5000, then Tax = 12,
If Salary < 12000, then Tax = 23% of Salary
If Salary < 25000, then Tax = 33% of Salary
If Salary < 30000, then Tax = 45% of Salary
If Salary < 40000, then Tax = 47% of Salary
Otherwise Tax is 49 % of Salary,