Diploma in ICT & Computing

Unit 03 - Introduction to Visual Programming

Practical Examination Paper

Time   :3 Hours

Instructions to Invigilators,

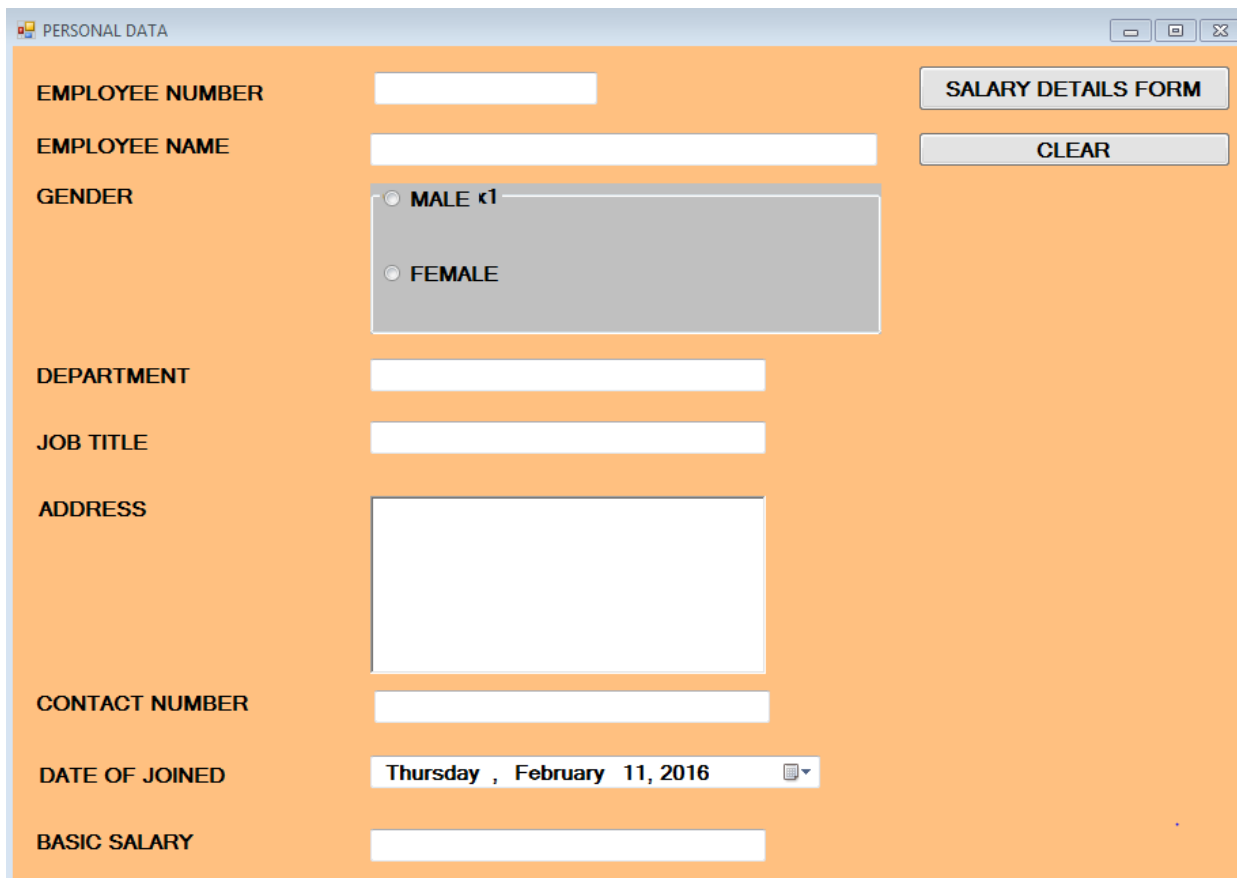*No reference material of any kind be taken in to the examination hall by the students.*

Assumptions

- An employee Works 8 hours per day.

- **No Pay Rate (per day)** is calculate by **Basic Salary/30 days**.

- **Rate Per Hour** is calculate by **Basic Salary/(30 days × 8 hrs)**

- **Total Additions= Additional Hours * Rate per hour.**

- **Total Deduction= No pay days * No Pay Rate (Per Day)**

- **Net Salary= (Basic Salary + Total additions) -Total Deductions.**

Task 1

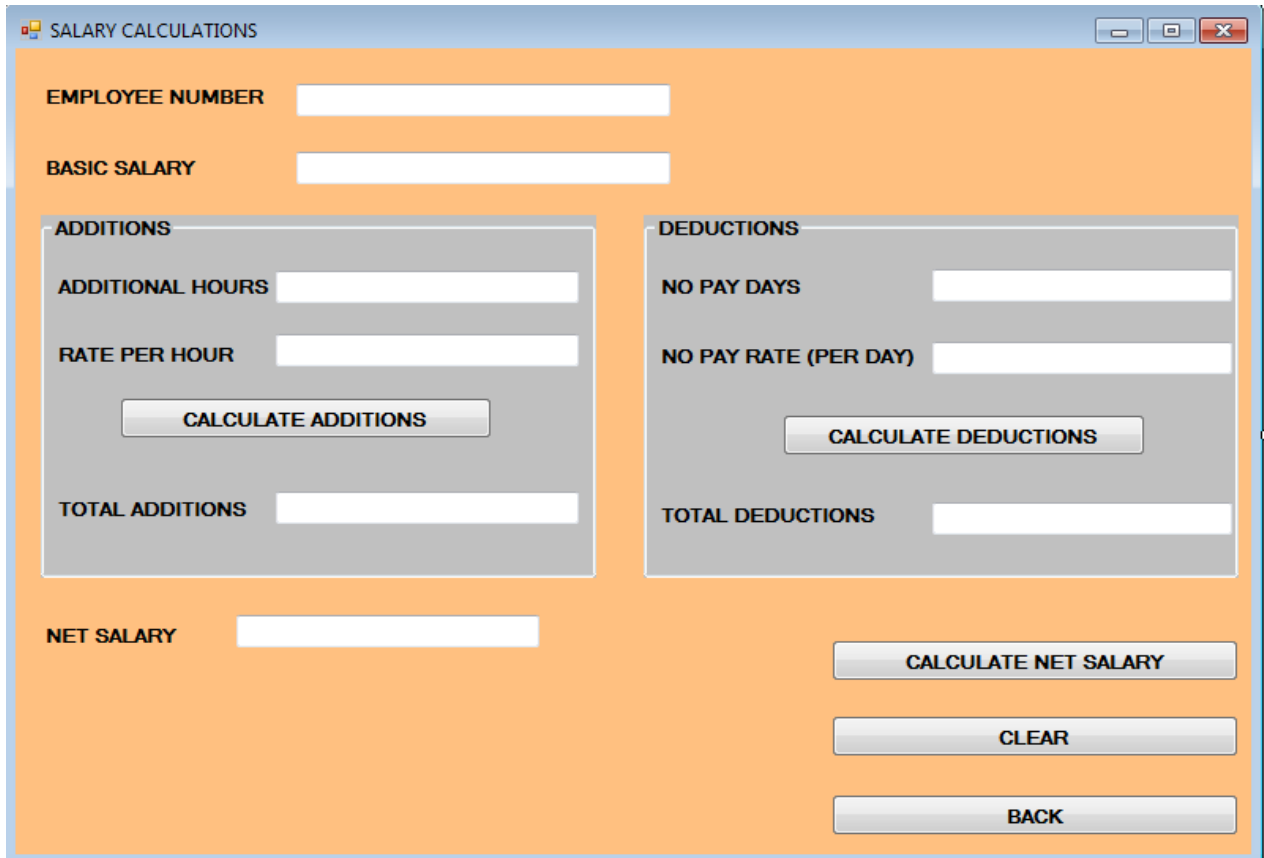Create the following interface using VB.NET

Form 1: Personal Data

Form 2: Salary Calculation

Task 2

Perform the following actions with appropriate event procedures

Form 1

- When the **form 1** is appears to the screen, do not allow the user to accept the "**Salary Details Form**" button, then after that entering the data to the available TextBoxes & then allow the user to access "**Salary Details Form**" button again.

- By clicking the **"Salary Details Form**" button hide the current form (form 1) and display the Second form (form 2).

- By clicking the "**clear**" button refresh the form for a new process.

Form 2:

- When the **form 2** is load in to the Screen display the "**Employee Number"** and **"Basic Salary"** from the form 1.

- After entering the **"Additional Hours"** calculate the "**Rate per Hour**" According to the given formula.

- By clicking the "Calculate Addition" button calculate the **"Total Additions"**

- After entering the "**No Pay Days"** calculate the "**No Pay Rate (per day)"** according to the given formula.

- Then calculate the **"Net Salary**" according to the given formula.

- By clicking the "**clear**" button refresh the form 2.

- By clicking the "**Back"** button ask that "do you want to get the personal data form?" .and if the response is "yes" display the first form otherwise Stop the programme.

Note:

- You need to provide a correct naming method when designing the form designers (use meaning full names for controls).

- Use additional messages as required to direct the user and handle errors and additional controlling methods to increase the user friendliness.