Asansol Engineering College

**Asansol Engineering
College, West Bengal**

Department of Information technology

Topic (Report writing)

<mark>(Income Tax Calculator)</mark>

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Subject Name: Object Oriented Programming

Subject code: PCC-CS503

Contents

Introduction

The main aim of our project is to build a GUL (Graphical User Interface) application to calculate the liable tax of a salaried person or a businessman. This application aims to provide a user-friendly approach to calculating the payable tax without digging into complex details and calculations.

The project is based on how to calculate a tax and how every people calculates their tax. This is a very simple and easy way to use.

Objective

- In this we develop a simple project using java swing. The user enters the Salary amount or according to that our application calculates tax and basic salary after deducting the tax amount from the salary amount.

- The tax program is as follows:

- 1. If a person's income is more than 1 lakh then tax will be 12%.

- 2.If income >= 75 thousand than 10% tax calculate and

- if income >= 50 thousand 5 % tax calculate

- according to that tax calculate and if person salary < 50 thousand no tax will be deducted

SOFTWARE Requirements

- Operating System: Windows/Linux/mac
- Technology: Java and J2EE
- Database: Oracle

- Windows 11 (64 bit only) 8u311 and above/Oracle Linux 8[1] (8u221 and above)/ macOS 12(8u311 and above)
- Windows 10 (8u51 and above)/ Oracle Linux 7 (64-bit)[2] (8u20 and above)/ macOS 11 (8u281 and above)
- Windows 8 (Modern UI is not supported)/Oracle Linux 6. (32-bit and 64-bit)[2]/ OS X 10.9 and above
- Windows 7 SP1* (No longer supported by MS)/ Oracle Linux 5.5+[1]// OS X 10.8.3 and above)
- Windows Vista SP2* (No longer supported by MS)/ Red Hat Enterprise Linux 8 (8u221 and above)/ Administrator privileges for installation
- Windows Server 2022/Red Hat Enterprise Linux 7 (64-bit) [2] (8u20 and above)/ 64-bit browser
- Windows Server 2019/Red Hat Enterprise Linux 6 (32-bit and 64-bit) [2]/ A 64-bit browser (Safari, for example) is required to run Oracle Java on macOS.
- Windows Server 2016/Red Hat Enterprise Linux 5.5+[1]
- Windows Server 2012 R2/Suse Linux Enterprise Server 15 (8u201 and above)
- Windows Server 2012/Suse Linux Enterprise Server 12 (64-bit) [2] (8u31 and above)
- Windows Server 2008 R2 SP/Suse Linux Enterprise Server 11 (32-bit and 64-bit)
- RAM: 128 MB/Suse Linux Enterprise Server 11 (32-bit and 64-bit)
- Disk space: 124 MB for JRE; 2 MB for Java Update/Ubuntu Linux 21.04 (8u291 and above)
- Processor: Minimum Pentium 2 266 MHz processor/Ubuntu Linux 20.10 (8u271 and above)
- Browsers: Internet Explorer 9 and above, Microsoft Edge, Firefox, Chrome/Ubuntu Linux 20.04 LTS (8u261 and above)
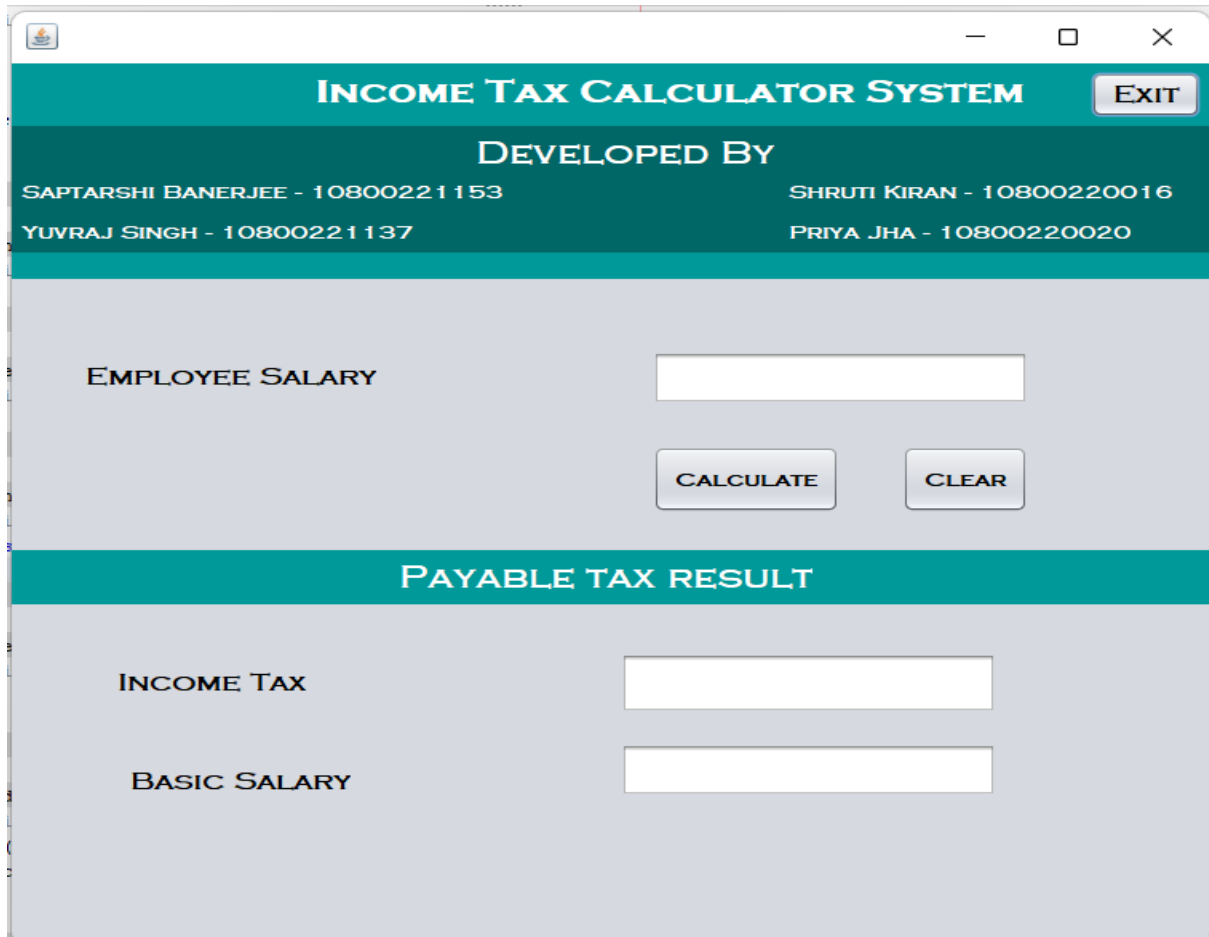
Hardware configuration

RAM: At least 2 GB

Disk Space: 124 MB for JRE, 2 MB for Java Update

Processor: Minimum Pentium 2 266 MHz processor

A Voyage through the Application
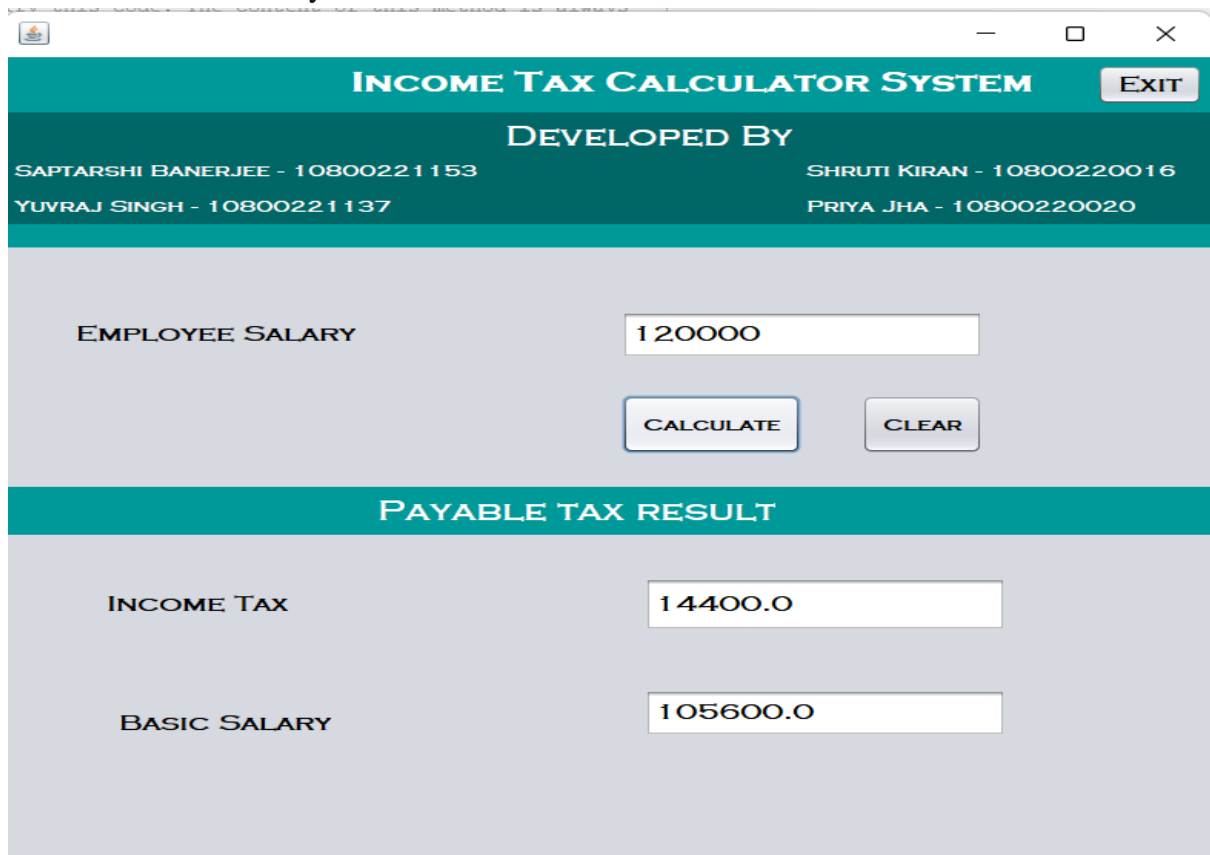
- **Basic Look of our Application.**

There are two buttons, the "**Calculate**" button to calculate the tax and the "**Clear**" button" clear the previous value of employee salary and give a fresh page for calcite another person's income tax.

There is also another button named "**Exit**" which helps the user to close the application after use.

If the entered salary amount is greater than or equal to 1 lakh rupees then 12% tax will be deducted from the salary.

INCOME TAX CALCULATOR SYSTEM   EXIT

DEVELOPED BY

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YUVRAJ SINGH - 10800221137   PRIYA JHA - 10800220020

EMPLOYEE SALARY   120000

                          CALCULATE   CLEAR

PAYABLE TAX RESULT

INCOME TAX   14400.0

BASIC SALARY   105600.0

If the entered salary amount is greater than or equal to 75 thousand rupees then 10% tax will be deducted from the salary.

If the entered salary amount is greater than or equal to 50 thousand rupees then 5% tax will be deducted from the salary.

If the entered salary amount is less than 50 thousand rupees then no tax will be deducted from the salary.

INCOME TAX CALCULATOR SYSTEM   EXIT

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YUVRAJ SINGH - 10800221137   PRIYA JHA - 10800220020

EMPLOYEE SALARY   45987

CALCULATE   CLEAR

PAYABLE TAX RESULT

INCOME TAX   0.0

BASIC SALARY   45987.0

FUTURE SCOPE

In the future, we develop our project in such a way that when the user enters its pan number o user directly access this without any disturbance.

- We add some more design and features to our project so that its appearance and use would be better.

CONCLUSION

This tax calculator is very easy to use and user friendly and because of its code written in java so it runs on every machine and no other software or anything needs to use to calculate a tax.

Pictures added to it show how it uses and how the tax is calculated in the project.

References

Online reference

1. https://www.studytonight.com/

2. https://www.w3schools.in/

Book reference

1. Core JAVA An Integrated Approach (Dr.R.Nageswara Rao)

2. Head First Java (Kathy Sierra and Bert Bates)