

Asansol Engineering College



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Department of Information technology

Topic (Report writing)

(Income Tax Calculator)

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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 \geq 75 thousand then 10% tax calculate and
- if income \geq 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

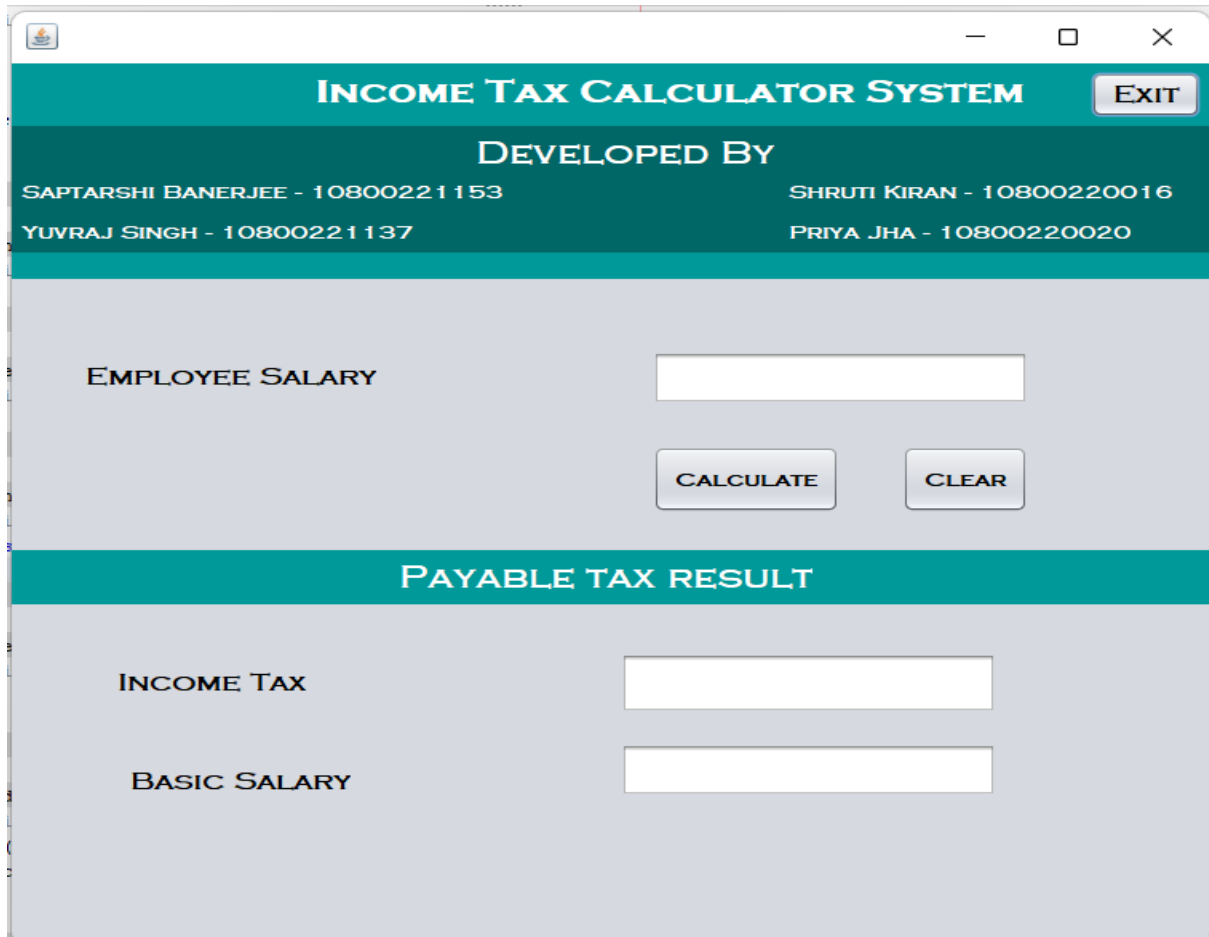
RAM: At least 2 GB

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.



The screenshot shows a web application window titled "INCOME TAX CALCULATOR SYSTEM". The window has a teal header bar with the title and an "EXIT" button. Below the header, a dark teal bar displays "DEVELOPED BY" followed by the names and IDs of the developers: SAPTARSHI BANERJEE - 10800221153, SHRUTI KIRAN - 10800220016, YUVRAJ SINGH - 10800221137, and PRIYA JHA - 10800220020. The main content area is light gray and contains two sections. The first section, "EMPLOYEE SALARY", has a text input field for salary, a "CALCULATE" button, and a "CLEAR" button. The second section, "PAYABLE TAX RESULT", has two text input fields, one for "INCOME TAX" and one for "BASIC SALARY".

INCOME TAX CALCULATOR SYSTEM	
DEVELOPED BY	
SAPTARSHI BANERJEE - 10800221153	SHRUTI KIRAN - 10800220016
YUVRAJ SINGH - 10800221137	PRIYA JHA - 10800220020
EMPLOYEE SALARY	
<input type="text"/>	<input type="button" value="CALCULATE"/> <input type="button" value="CLEAR"/>
PAYABLE TAX RESULT	
INCOME TAX	<input type="text"/>
BASIC SALARY	<input type="text"/>

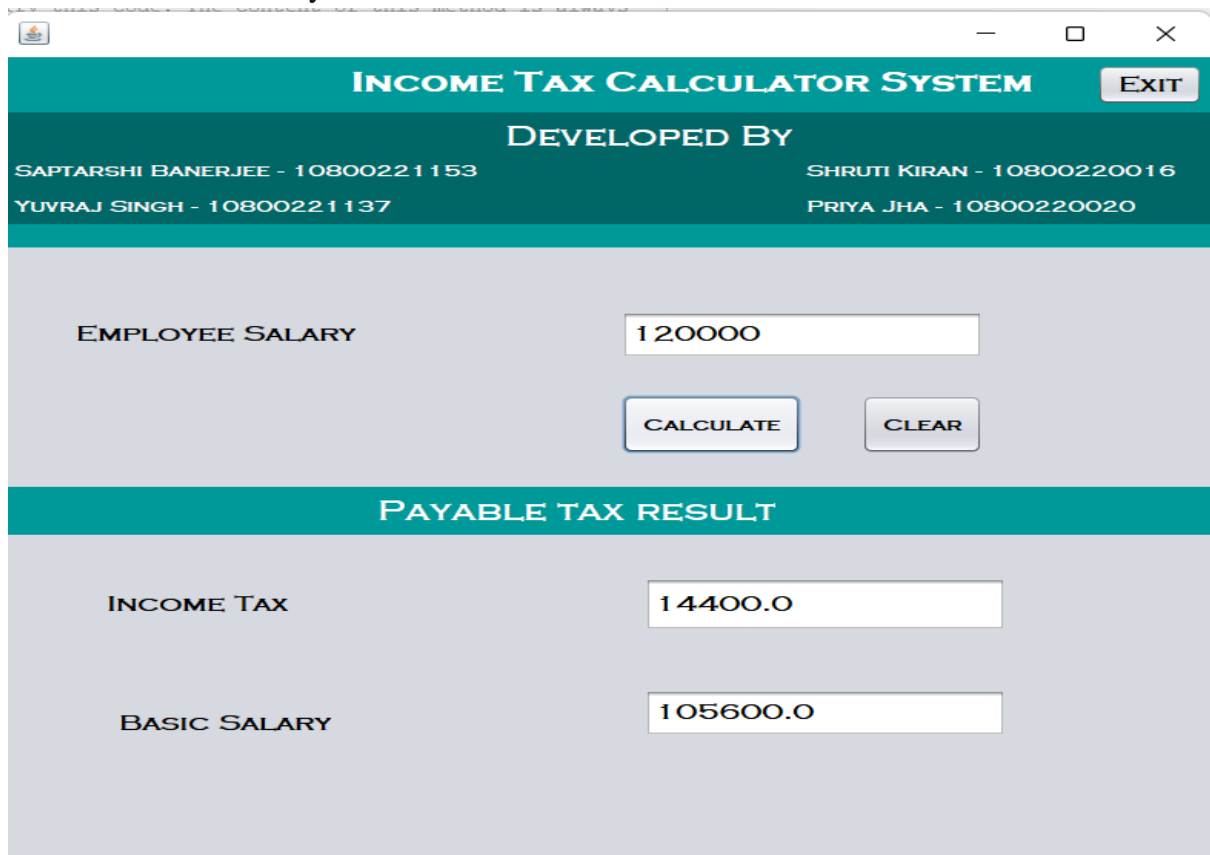
There are two buttons, the “**Calculate**” button to calculate the tax and the “**Clear**” button” clear the previous value of employee salary and give a fresh page for calcite another person’s income tax.

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

The screenshot shows a Java Swing window titled "INCOME TAX CALCULATOR SYSTEM". The window has a teal header bar with the title and an "EXIT" button. Below the header, a dark teal bar displays "DEVELOPED BY" followed by the names and IDs of four developers: SAPTARSHI BANERJEE - 10800221153, SHRUTI KIRAN - 10800220016, YUVRAJ SINGH - 10800221137, and PRIYA JHA - 10800220020. The main area has a light gray background. It contains a label "EMPLOYEE SALARY" next to a text input field. Below the input field are two buttons: "CALCULATE" and "CLEAR". A teal bar below this section is labeled "PAYABLE TAX RESULT". Underneath, there are two more text input fields, one labeled "INCOME TAX" and the other "BASIC SALARY".

INCOME TAX CALCULATOR SYSTEM	
EXIT	
DEVELOPED BY	
SAPTARSHI BANERJEE - 10800221153	SHRUTI KIRAN - 10800220016
YUVRAJ SINGH - 10800221137	PRIYA JHA - 10800220020
EMPLOYEE SALARY	<input type="text"/>
	<input type="button" value="CALCULATE"/> <input type="button" value="CLEAR"/>
PAYABLE TAX RESULT	
INCOME TAX	<input type="text"/>
BASIC SALARY	<input type="text"/>

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



The screenshot shows a web application titled "INCOME TAX CALCULATOR SYSTEM". The header is teal with white text. Below the header, it says "DEVELOPED BY" followed by two columns of names and IDs: SAPTARSHI BANERJEE - 10800221153, YUVRAJ SINGH - 10800221137, SHRUTI KIRAN - 10800220016, and PRIYA JHA - 10800220020. There is an "EXIT" button in the top right corner. The main content area has a light gray background. It features a section for "EMPLOYEE SALARY" with a text input field containing "120000". Below this are two buttons: "CALCULATE" and "CLEAR". A teal bar separates this from the "PAYABLE TAX RESULT" section. This section has a light gray background and contains two rows: "INCOME TAX" with a value of "14400.0" and "BASIC SALARY" with a value of "105600.0".

INCOME TAX CALCULATOR SYSTEM	
DEVELOPED BY	
SAPTARSHI BANERJEE - 10800221153	SHRUTI KIRAN - 10800220016
YUVRAJ SINGH - 10800221137	PRIYA JHA - 10800220020
EXIT	
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.

INCOME TAX CALCULATOR SYSTEM EXIT

DEVELOPED BY

SAPTARSHI BANERJEE - 10800221153 SHRUTI KIRAN - 10800220016
YUVRAJ SINGH - 10800221137 PRIYA JHA - 10800220020

EMPLOYEE SALARY

CALCULATE CLEAR

PAYABLE TAX RESULT

INCOME TAX

BASIC SALARY

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

INCOME TAX CALCULATOR SYSTEM EXIT

DEVELOPED BY

SAPTARSHI BANERJEE - 10800221153 SHRUTI KIRAN - 10800220016
YUVRAJ SINGH - 10800221137 PRIYA JHA - 10800220020

EMPLOYEE SALARY

CALCULATE CLEAR

PAYABLE TAX RESULT

INCOME TAX

BASIC 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**

DEVELOPED BY

SAPTARSHI BANERJEE - 10800221153 SHRUTI KIRAN - 10800220016
YUVRAJ SINGH - 10800221137 PRIYA JHA - 10800220020

EMPLOYEE SALARY

CALCULATE **CLEAR**

PAYABLE TAX RESULT

INCOME TAX

BASIC SALARY

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)