# Assignment:

Java 8

# Develop:

Salary Income Predictor

# Description:

Write a program that will predict the income of the user over a period of time (5 yr, 10 yr, 20 yr, 30 yr, 50 yr).

1. The program should ask for:
   1. The starting salary
   2. Increment to be received in percent
   3. How frequently is increment received (quarterly, half-yearly, annually etc.)
   4. Deductions on income
   5. How frequently are deductions done (quarterly, half-yearly, annually etc.)
   6. Prediction for (years)
2. Do not accept a number less than 1 for the starting salary.
3. Do not accept a negative number for increment or deduction.
4. Do not accept a number less than 1 for frequency of increment or deductions.
5. Output should come in following format:
   1. Increment Report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Starting Salary | Number of Increments | Increment % | Increment Amount |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |

* 1. Deduction Report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Starting Salary | Number of deductions | Deduction % | Deduction Amount |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |

* 1. Prediction

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Starting Salary | Increment Amount | Deduction Amount | Salary Growth |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |

# Guidelines:

Push the code changes to the internal GIT repository after every feature/step development.

# Challenge – for the ones who love code adventures:

Try solving the above problem using Java 8 lambda expressions