

# 1-Hour Java Assessment Task

**Topics Covered:** Datatypes, Variables, Operators, If, If-Else, If-Else-If, Switch, Nested Decision Making

## Problem Statement: Employee Access & Salary Processing System

Develop a menu-driven Java program for a company to process employee details and determine role, access level, and final salary.

### Step 1: Input Details

- Employee ID (int)
- Employee Name (String)
- Age (int)
- Department Choice (int): 1-IT, 2-HR, 3-Finance
- Basic Salary (double)

### Step 2: Age Validation

If age is less than 21, print 'Employee is not eligible to work' and stop execution. Otherwise, continue.

### Step 3: Department & Role Selection (Nested Switch)

IT → Developer, Tester

HR → Recruiter, Payroll

Finance → Accountant, Auditor

### Step 4: Salary Calculation

Role	Allowance %
Developer	30%
Tester	25%
Recruiter	20%
Payroll	22%
Accountant	28%
Auditor	26%

Final Salary = Basic Salary + (Basic Salary × Allowance / 100)

### Step 5: Access Level Decision

- If final salary  $\geq$  60,000 and department is IT → Admin Access
- If final salary  $\geq$  60,000 and other departments → Manager Access
- Else → Employee Access

### Step 6: Output

Display Employee ID, Name, Department, Role, Basic Salary, Final Salary, and Access Level.

**Note:** Write clean, readable, and properly structured Java code.