

# Graded Assessment -1

## OOPS

### Problem Statement

→ The assignment will contain 4 departments as four different object classes

- i) **Super Department**
- ii) **Admin Department**
- iii) **Hr Department**
- iv) **Tech Department**

→ Super Department class will be the **superclass** and all other departments **must** extend it.

→ **Super department** will contain 4 methods of return type **String** and will **not** accept any parameter

- i) departmentName
- ii) getTodaysWork
- iii) getWorkDeadline
- iv) isTodayAHoliday

departmentName will return “ Super Department “

getTodaysWork will return “ No Work as of now”

getWorkDeadline will return “ Nil “

isTodayAHoliday will return “ Today is not a holiday”

→ **Admin department** will contain 3 methods of return type **String** and will **not** accept any parameter

- i) departmentName
- ii) getTodaysWork
- iii) getWorkDeadline

departmentName will return “ Admin Department “

getTodaysWork will return “Complete your documents Submission”

getWorkDeadline will return “ Complete by EOD “

→ **Hr department** will contain 4 methods of return type **String** and will **not** accept any parameter

- i) departmentName
- ii) getTodaysWork
- iii) getWorkDeadline
- iv) doActivity

departmentName will return “ Hr Department “

getTodaysWork will return “ Fill today’s timesheet and mark your attendance”

getWorkDeadline will return “ Complete by EOD “

doActivity “team Lunch”

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→ **Tech department** will contain 4 methods of return type **String** and will **not** accept any parameter

- i) departmentName
- ii) getTodaysWork
- iii) getWorkDeadline
- iv) getTechStackInformation

departmentName will return "Tech Department"  
getTodaysWork will return "Complete coding of module 1"  
getWorkDeadline will return "Complete by EOD"  
getTechStackInformation will return "core Java"

→ Driver class **Main** will be used to create objects of HrDepartment, TechDepartment, AdminDepartment

→ Each department will display all its functionalities.

→ Each department will display whether today is a holiday or not with the help of the Super Department. (SuperDepartment will act as a super class for all the departments)

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### Expected Output

Welcome to Admin Department  
Complete your documents submission  
Complete by EOD  
Today is not a Holiday

Welcome to HR Department  
team Lunch  
Fill today's timesheet and mark your attendance  
Complete by EOD  
Today is not a Holiday

Welcome to Tech Department  
Complete coding of Module 1  
Complete by EOD  
Core Java  
Today is not a Holiday