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 worksheet and mark your attendance"
getWorkDeadline will return " Complete by EOD "
doActivity "team Lunch"

→ **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)

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