**Assignments - Abstraction**

Create a new project with the name as **AbsAssignments**

Create packages for each question

* **com.abs.quest1**

1. Create an abstract class Employee

**abstract class Employee{**

**String empName, double salary, int empId;**

**final String COMPANYNAME="";**

// create a parameterised constructor

**void printDetails()**{print all the instance variables}

**abstract void calcBonus(double amount);**

**String[] showCourses(){return an array of courses;}**

**abstract void showProjects();**

**final void showRules(){**

officeHours(); // call the private method

print("leave policies");

print("od policies");

}

**private void officeHours(){**

print("14 hours per day");

}}

**class Manager extends Employee{**

**String activity;** // own property

// should have a parameterised constructor

// override all three methods

// own method of Manager

**void funClub(){**

**print("Activity "+activity);**

**}}**

**class TeamLead extends Employee{ // This is an abstract class**

// should have a parameterised constructor

// override only calcBonus method

// own method

void corporateServices(){}

**}**

**class Developer extends TeamLead{**

**String hobbies[];**

// should have a parameterised constructor

// override remaining methods

// own method of Developer

**void showHobbies(){**

**syso(Hobby+”is hobby”);**

**}**}

**class DemoAbs** {

psvm{

// Use Scanner, Switch ,check if the person is Manager or TeamLead or Developer

// call the methods using super class reference = sub class object

// also call the own methods of all the classes

}

}