OOP Assignment

**Q1)**

*// package OOPS Assignment2;*

abstract class Employee{

    String name;

    int paymentPerHour;

    abstract void CalculateSalary();

}

class Contractor extends Employee{

   int workingHours;

   void CalculateSalary(){

    System.out.println(*this*.workingHours\*10);

   }

}

class FulltimeEmployee extends Employee{

    int workingHours;

    void CalculateSalary(){

        System.out.println(*this*.workingHours\*12);

    }

}

public class Q1 {

    public static void main(String args[]){

        FulltimeEmployee ft=new FulltimeEmployee();

        ft.workingHours=15;

        ft.CalculateSalary();

        Contractor cc=new Contractor();

        cc.workingHours=15;

        cc.CalculateSalary();

    }

}

**Q2)**

// package OOPS Assignment2;

class Cat{

    String mood;

    String hungry;

    String energy;

    public void play(){

*this*.mood="Play";

    }

    public void feed(){

*this*.hungry="Hungry Please Feed...";

    }

    public void Sleep(){

*this*.energy="Energy is low..Sleep";

    }

    private void meow(){

*this*.mood="Meow";

    }

*// meow();*

}

public class Q2 {

    public static void main(String[] args){

        Cat pp=new Cat();

        pp.play();

        System.out.println(pp.mood);

    }

}

**Q3)**

*// package OOPS Assignment2;*

interface Payment{

      void pay(int p);

}

 class CashPayment implements  Payment{

     public void pay(int p){

        System.out.println("You are paying by CASH.... "+p+" Amount");

     }

}

 class CardPayment implements  Payment{

    public void pay(int p){

        System.out.println("You are paying by CARD...."+p+" Amount");

    }

}

public class Q3 {

    public static void main(String args[]){

        CashPayment cp=new CashPayment();

        cp.pay(50);

        CardPayment cpp=new CardPayment();

        cpp.pay(55);

    }

}