1. Program to withdraw amount from an ATM
   1. Class 1- Bank One method to set pin from „User‟ class and validate Pin in another method - [Valid pins – 1001, 1234, 1212]
   2. Pin number should declared as private
   3. Class 2 – User Get the pin from User

package Encapsulation;

class SetPin {

private int Pin1;

private int Pin2;

private int Pin3;

public int getPin1() {

return Pin1;

}

public void setPin1(int pin1) {

Pin1 = pin1;

}

public int getPin2() {

return Pin2;

}

public void setPin2(int pin2) {

Pin2 = pin2;

}

public int getPin3() {

return Pin3;

}

public void setPin3(int pin3) {

Pin3 = pin3;

}

}

package Encapsulation;

import java.util.Scanner;

class GetPin {

static int a;

public static void main(String args[]) {

Scanner sc = new Scanner(System.in);

System.out.println("Enter you PIN");

a = (int) sc.nextInt();

SetPin T = new SetPin();

T.setPin1(a);

if (1001 == T.getPin1() || 1234 == T.getPin1() || 1212 == T.getPin1()) {

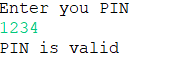
System.out.println("PIN is valid");

} else

System.out.println("PIN is invalid");

}

}



1. Let’s first create the superclass Employee and define a method called calculateSalary() as an abstract method. The Contractor class inherits all properties from its parent Employee but have to provide its own implementation of calculateSalary() method and multiply the value of payment per hour with given working hours. The FullTimeEmployee also has its own implementation of calculateSalary()method. In this case we just multiply by constant 8 hours.

package Abstraction;

abstract class Employee {

abstract void calculateSalary();

}

package Abstraction;

import java.util.Scanner;

abstract class Contractor extends Employee {

final int a = 8;

void calculateSalary()

{

int Salary = 500 \* a;

System.out.println("Your Total Salary is: " + Salary);

}

abstract void Contractor\_calculateSalary();

}

package Abstraction;

import java.util.Scanner;

class Calculation extends Contractor {

void calculateCSalary() {

System.out.println("Enter the number of working hrs");

Scanner sc = new Scanner(System.in);

int b = (int) sc.nextInt();

int CSalary = 100 \* b;

System.out.println("Your Total Salary is: " + CSalary);

}

public static void main(String args[]) {

Calculation obj = new Calculation();

System.out.println("Enter Full Time or Contactor as 1 or 2");

Scanner sc = new Scanner(System.in);

int T = (int) sc.nextInt();

if (T == 1)

obj.calculateSalary();

else {

obj.calculateCSalary();

}

}

@Override

void Contractor\_calculateSalary() {

// TODO Auto-generated method stub

}

}

