Lab6 a:

Nhân viên:

package lab6;

public class NhanVien {

protected String ten;

protected long luong;

public NhanVien() {

}

public NhanVien(String ten, long luong) {

this.ten = ten;

this.luong = luong;

}

public String getTen() {

return ten;

}

public void setTen(String ten) {

this.ten = ten;

}

public long getLuong() {

return luong;

}

public void setLuong(long luong) {

this.luong = luong;

}

protected String loaiNhanVien(){

return "FullTime" + "PartTime";

}

public void tinhLuong() {

System.out.println("Luong = " + this.luong);

}

public void xuatThongTin() {

System.out.println("Ten nhan vien " + this.ten + "\nluong = "+ this.luong);

}

}

Nhân Viên Part Time:

package lab6;

public class NhanVienPartTime extends NhanVien{

private int gioLamViec;

public NhanVienPartTime() {}

public NhanVienPartTime(int gioLamViec, String ten) {

super();

this.gioLamViec = gioLamViec;

}

public int getGioLamViec() {

return gioLamViec;

}

public void setGioLamViec(int gioLamViec) {

this.gioLamViec = gioLamViec;

}

@Override

public String getTen() {

return ten;

}

@Override

public void setTen(String ten) {

this.ten = ten;

}

@Override

public long getLuong() {

return luong;

}

@Override

public void setLuong(long luong) {

this.luong = luong;

}

@Override

public String loaiNhanVien () {

System.out.println("Parttime");

return "partime";

}

@Override

public void tinhLuong() {

float Luong = this.luong\*this.gioLamViec;

System.out.println("Luong cua nhan vien PartTime la : " + Luong);

}

}

Nhân Viên Full Time:

package lab6;

public class NhanVienFullTime extends NhanVien{

private String loaiChucVu;

private int ngayLamThem;

public NhanVienFullTime(){}

public NhanVienFullTime(String loaiChucVu, int ngayLamThem, String ten) {

super();

this.loaiChucVu = loaiChucVu;

this.ngayLamThem = ngayLamThem;

}

public String getLoaiChucVu() {

return loaiChucVu;

}

public void setLoaiChucVu(String loaiChucVu) {

this.loaiChucVu = loaiChucVu;

}

public int getNgayLamThem() {

return ngayLamThem;

}

public void setNgayLamThem(int ngayLamThem) {

this.ngayLamThem = ngayLamThem;

}

@Override

public String getTen() {

return ten;

}

@Override

public void setTen(String ten) {

this.ten = ten;

}

@Override

public long getLuong() {

return luong;

}

@Override

public void setLuong(long luong) {

this.luong = luong;

}

@Override

public String loaiNhanVien() {

System.out.println("Full time");

return "Fulltime";

}

@Override

public void tinhLuong() {

float Luong = this.luong\*this.ngayLamThem;

System.out.println("Luong cua nhan vien FullTime la : " +Luong);

}

}

Main:

package lab6;

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

NhanVien nv = new NhanVien();

NhanVienPartTime nvpt = new NhanVienPartTime();

NhanVienFullTime nvft = new NhanVienFullTime();

System.out.println("Nhap ten nhan vien");

nv.setTen(input.nextLine());

System.out.println("Nhap luong");

nv.setLuong(input.nextLong());

nv.xuatThongTin();

System.out.println("Nhap ten nhan vien");

nvpt.setTen(input.nextLine());

nvpt.setTen(input.nextLine());

System.out.println("Nhap luong");

nvpt.setLuong(input.nextLong());

System.out.println("Nhap gio lam viec");

nvpt.setGioLamViec(input.nextInt());

nvpt.loaiNhanVien();

nvpt.tinhLuong();

System.out.println("Nhap ten nhan vien");

nvft.setTen(input.nextLine());

nvft.setTen(input.nextLine());

System.out.println("Nhap luong");

nvft.setLuong(input.nextLong());

System.out.println("Nhap ngay lam viec");

nvft.setNgayLamThem(input.nextInt());

nvft.loaiNhanVien();

nvft.tinhLuong();

}

}

Bài 2:

Học Sinh:

package lab6b;

public class HocSinh {

protected String hoTen;

protected int lop;

protected float ly , hoa,toan;

public HocSinh() {}

public HocSinh(String hoTen, int lop, float toan, float ly, float hoa) {

this.hoTen = hoTen;

this.lop = lop;

this.toan = toan;

this.ly = ly;

this.hoa = hoa;

}

public String getHoTen() {

return hoTen;

}

public void setHoTen(String hoTen) {

this.hoTen = hoTen;

}

public int getLop() {

return lop;

}

public void setLop(int lop) {

this.lop = lop;

}

public float getLy() {

return ly;

}

public void setLy(float ly) {

this.ly = ly;

}

public float getHoa() {

return hoa;

}

public void setHoa(float hoa) {

this.hoa = hoa;

}

public float getToan() {

return toan;

}

public void setToan(float toan) {

this.toan = toan;

}

public void diemTrungBinh() {

float diem = (this.toan+this.ly+this.hoa)/3;

System.out.println("Diem trung binh cua hoc sinh la: " +diem);

}

}

Học Sinh Chuyên Toán:

package lab6b;

public class HocSinhChuyenToan extends HocSinh {

public HocSinhChuyenToan() {}

public HocSinhChuyenToan(String hoTen, int lop, float toan, float ly, float hoa) {

super();

}

@Override

public String getHoTen() {

return hoTen;

}

@Override

public void setHoTen(String hoTen) {

this.hoTen = hoTen;

}

@Override

public int getLop() {

return lop;

}

@Override

public void setLop(int lop) {

this.lop = lop;

}

@Override

public float getLy() {

return ly;

}

@Override

public void setLy(float ly) {

this.ly = ly;

}

@Override

public float getHoa() {

return hoa;

}

@Override

public void setHoa(float hoa) {

this.hoa = hoa;

}

@Override

public float getToan() {

return toan;

}

@Override

public void setToan(float toan) {

this.toan = toan;

}

@Override

public void diemTrungBinh() {

float diem = (this.toan\*2+this.ly+this.hoa)/3;

System.out.println("Diem trung binh cua hoc sinh la :" + diem);

}

}

Main:

package lab6b;

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

HocSinh hs = new HocSinh();

HocSinhChuyenToan hst = new HocSinhChuyenToan();

System.out.println("Nhap ten hoc sinh");

hs.setHoTen(input.nextLine());

System.out.println("Nhap lop");

hs.setLop(input.nextInt());

System.out.println("Nhap diem mon toan");

hs.setToan(input.nextFloat());

System.out.println("Nhap diem mon ly");

hs.setLy(input.nextFloat());

System.out.println("Nhap diem mon hoa");

hs.setHoa(input.nextFloat());

hs.diemTrungBinh();

System.out.println("\nNhap ten hoc sinh");

hst.setHoTen(input.nextLine());

hst.setHoTen(input.nextLine());

System.out.println("Nhap lop");

hst.setLop(input.nextInt());

System.out.println("Nhap diem mon toan");

hst.setToan(input.nextFloat());

System.out.println("Nhap diem mon ly");

hst.setLy(input.nextFloat());

System.out.println("Nhap diem mon hoa");

hst.setHoa(input.nextFloat());

hst.diemTrungBinh();

}

}