class TestPass {

int i,j;

TestPass (int a, int b) {

i = a;

j = b;

}

void calculate(int m, int n) {

m = m \* 10;

n = n / 2;

}

void calculate(TestPass e) {

e.i = e.i \* 10;

e.j = e.j / 2;

}

}

class PassedByValue {

public static void main(String[] args) {

int x,y;

TestPass z;

z = new TestPass(50,100);

x = 10;

y = 20;

System.out.println("BEFORE PASSED BY VALUE : ");

System.out.println("X = " + x);

System.out.println("Y = " + y);

z.calculate(x,y);

System.out.println("AFTER PASS VALUE : ");

System.out.println("X = " + x);

System.out.println("Y = " + y);

System.out.println("BEFORE PASSED BY REF : ");

System.out.println("z.i = " + z.i);

System.out.println("z.j = " + z.j);

z.calculate(z);

System.out.println("AFTER PASSED BY REF : ");

System.out.println("z.i = " + z.i);

System.out.println("z.j = " + z.j);

}

}

class Lagu {

private String pencipta;

private String judul;

public void isiParam(String judul, String pencipta) {

this.judul = judul;

this.pencipta = pencipta;

}

public void printLagu() {

if (judul == null && pencipta == null) {

return;

}

System.out.println("Judul : " + judul + ", Pencipta : " + pencipta);

}

}

class DemoLagu {

public static void main(String[] args) {

Lagu a = new Lagu();

a.isiParam("TESTING X","MR.X");

a.printLagu();

}

}

public class Manusia {

private String nama;

private int umur;

public Manusia() {}

public Manusia(String a) {

nama = a;

}

public Manusia(String a, int b) {

nama = a;

umur = b;

}

public void setNama(String a) {

nama = a;

}

public String getNama() {

return nama;

}

public void setUmur(int a) {

umur=a;

}

public int getUmur() {

return umur;

}

}

public class DemoManusia {

public static void main(String[] args) {

Manusia arrMNS[] = new Manusia[3];

Manusia objMns1 = new Manusia();

objMns1.setNama("Markonah");

objMns1.setUmur(76);

Manusia objMns2 = new Manusia("Mat Conan");

Manusia objMns3 = new Manusia("Bajuri",13);

arrMNS[0] = objMns1;

arrMNS[1] = objMns2;

arrMNS[2] = objMns3;

for (int i=0;i<3;i++) {

System.out.println("Nama : " + arrMNS[i].getNama());

System.out.println("Umur : " + arrMNS[i].getUmur());

System.out.println();

}

}

}

public class Buku {

private String pengarang;

private String judul;

private Buku() {

this("CCX8","DR.RTFONE");

}

private Buku(String judul, String pengarang) {

this.judul = judul;

this.pengarang = pengarang;

}

private void printBuku() {

System.out.println("Judul : " + judul + " Pengarang : " + pengarang);

}

public static void main(String[] args) {

Buku a,b;

a = new Buku("DESCRETE","VON FOUS X");

b = new Buku();

a.printBuku();

b.printBuku();

}

}