PRAKTIKUM

PEMROGRAMAN BERORIENTASI OBJEK

MODUL 8

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NIM : L200200101

PROGRAM STUDI

INFORMATIKA

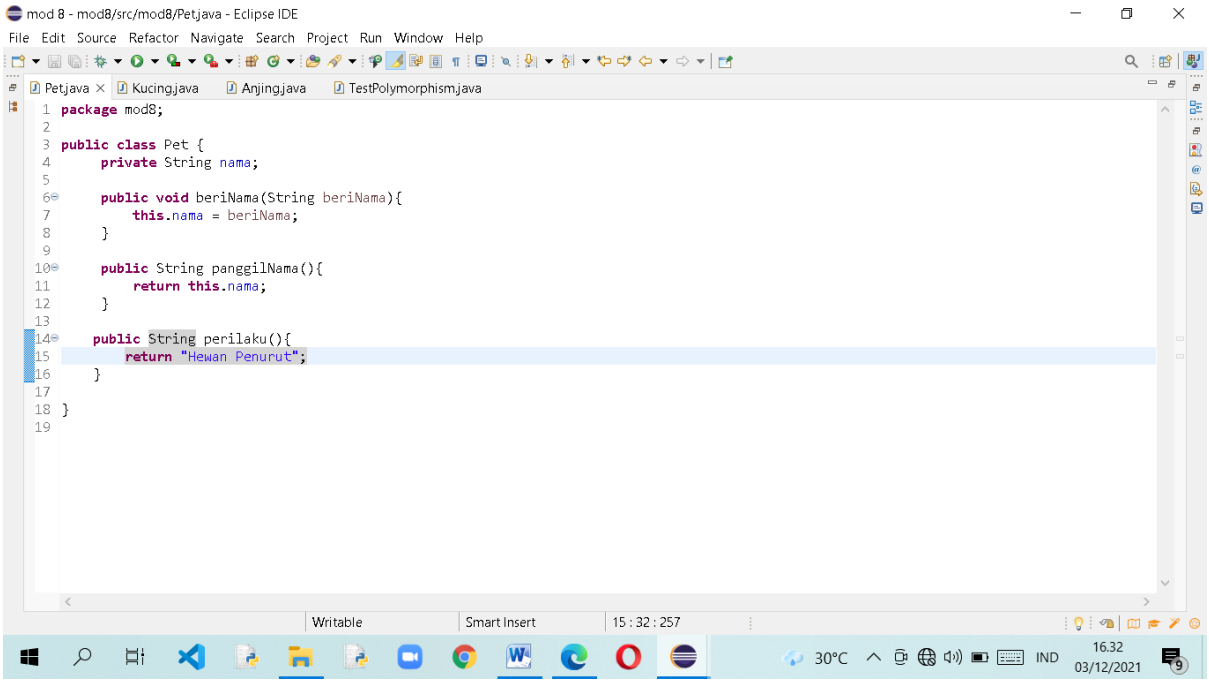
FAKULTAS KOMUNIKASI DAN INFORMATIKA

UNIVERSITAS MUHAMMADIYAH SURAKARTA

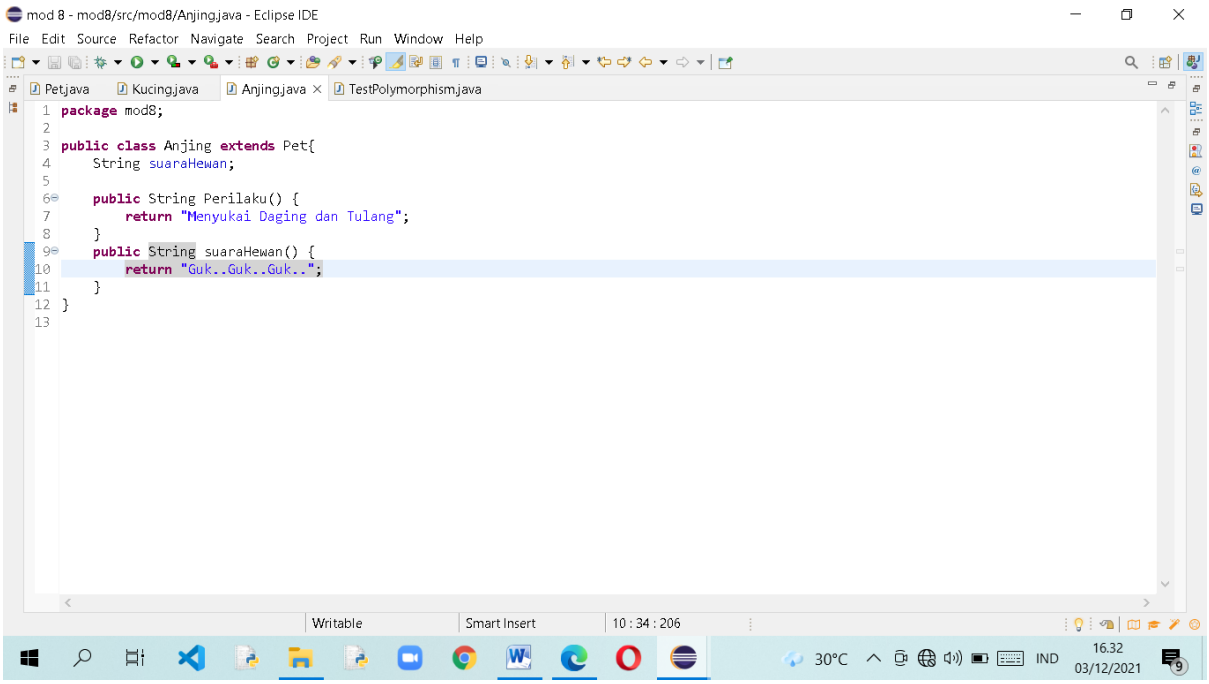
TAHUN 2021/2022

- Latihan

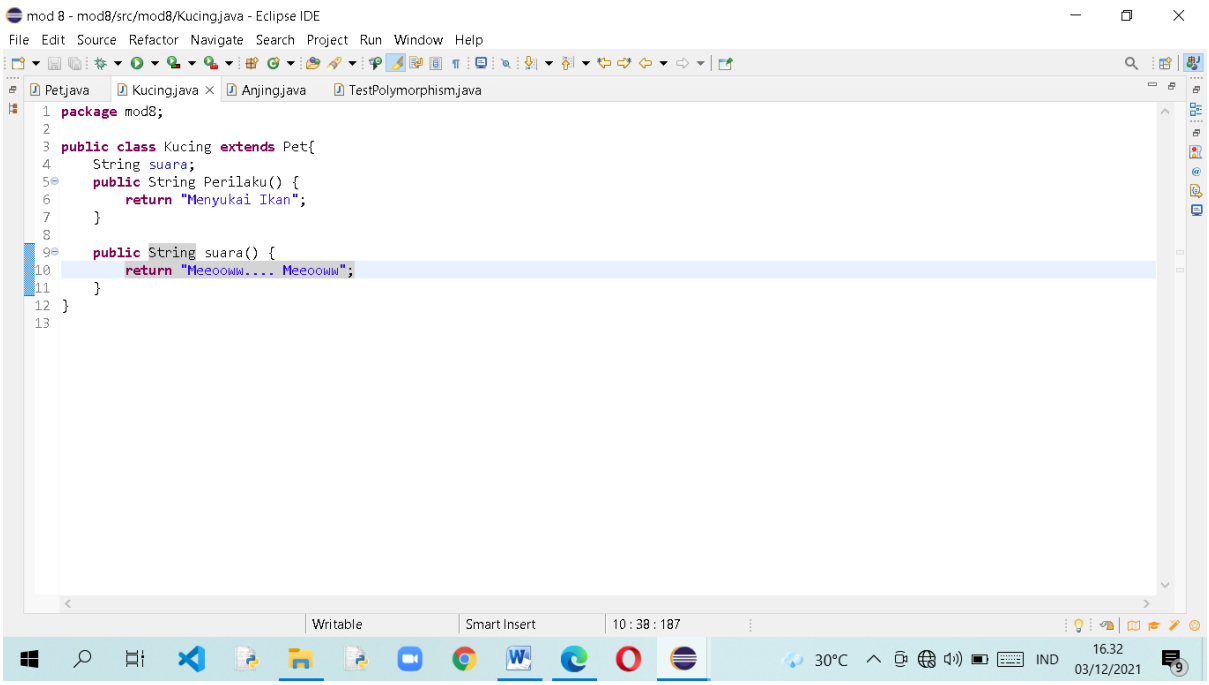
  Silahkan tulis dan jalankan Program 8 berikut ini(Class Pet)! Kemudian kerjakan soal setelahnya!



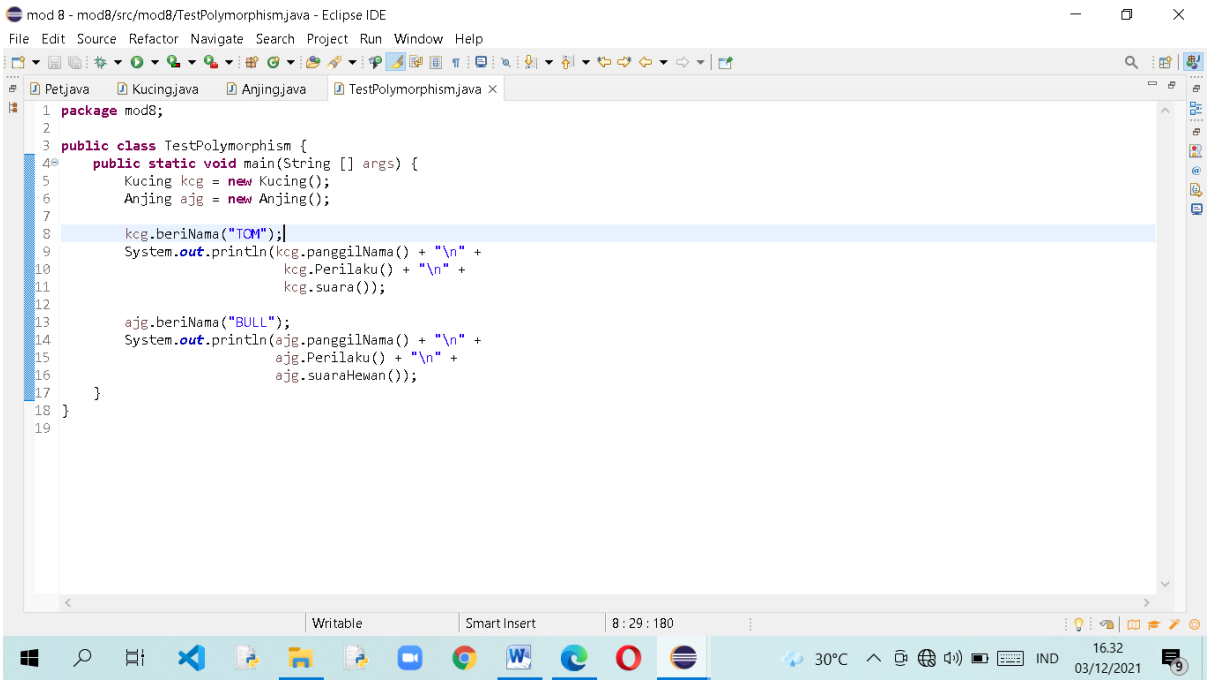
1. Buatlah class Kucing dan Anjing dimana kedua class tersebut melakukan overriding terhadap method perilaku()!
2. Tambahkan satu method pada masing-masing class yang secara khusus hanya berlaku pada masing-masing class tersebut.
    a. Class Anjing



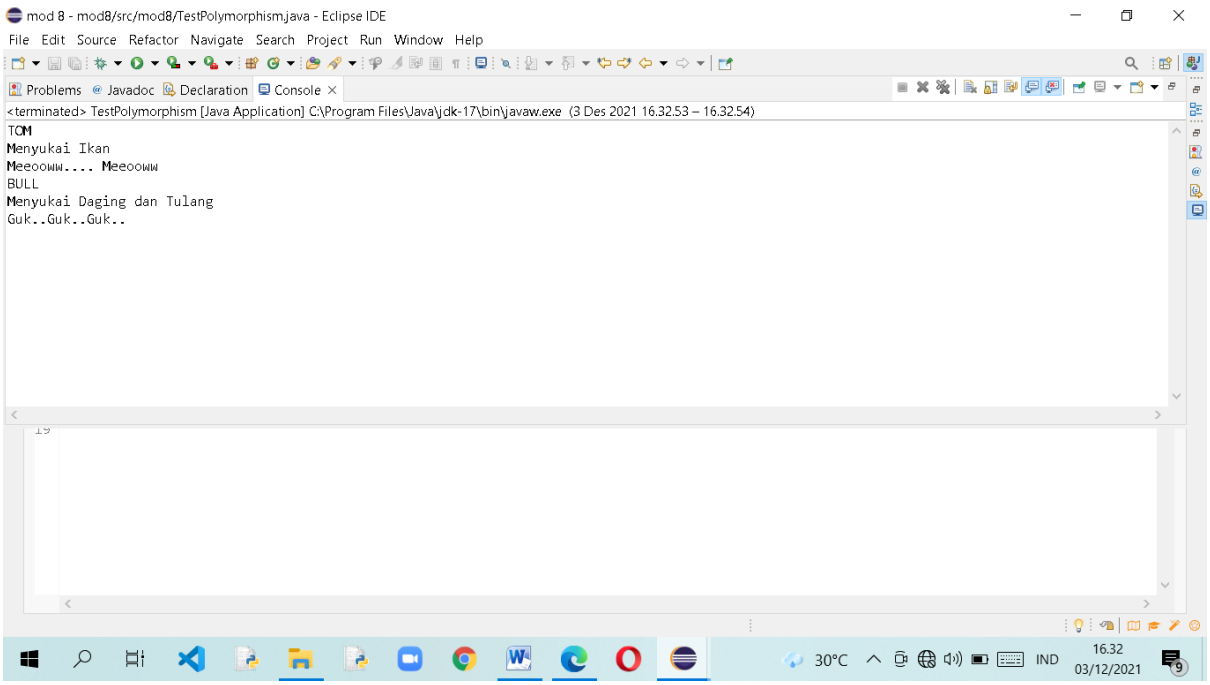
b. Class Kucing



3. Buat class TestPolymorphism sehingga keluaran program seperti berikut ini!

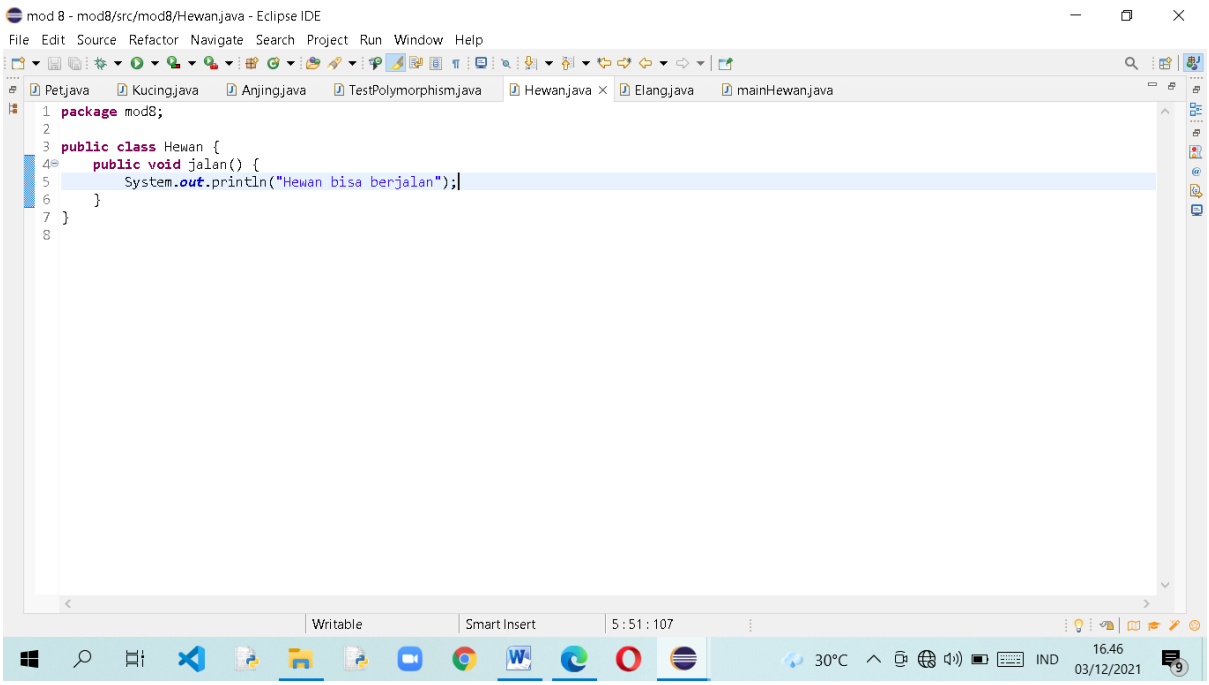


4. Output

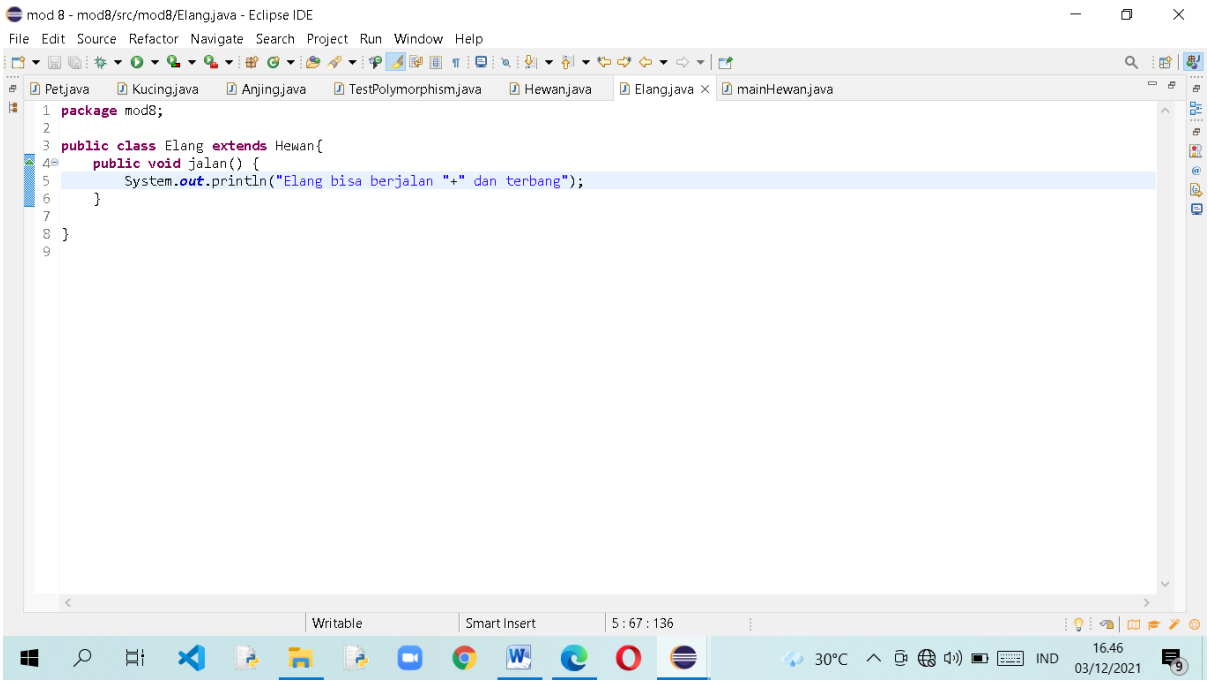


- TUGAS
    1. Lihat kembali Program 4 mengenai overriding, buatlah class Elang yang memiliki method jalan() namun implementasinya berbeda dari kedua class lainnya!

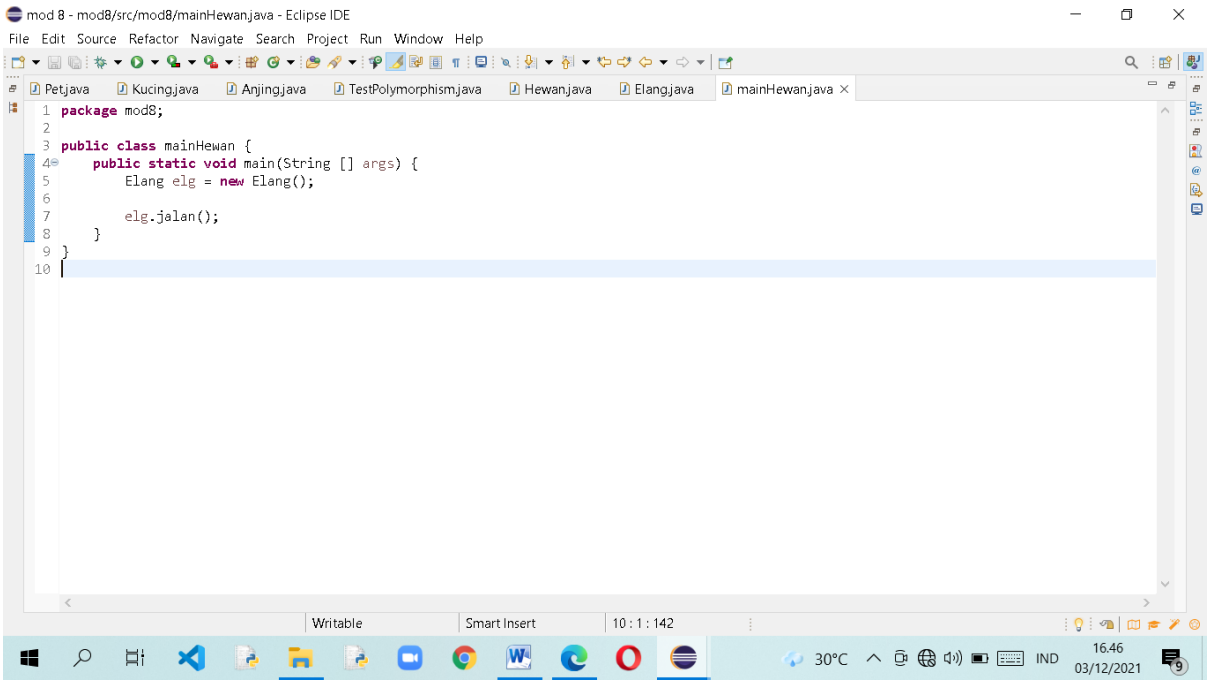
a. Class Hewan



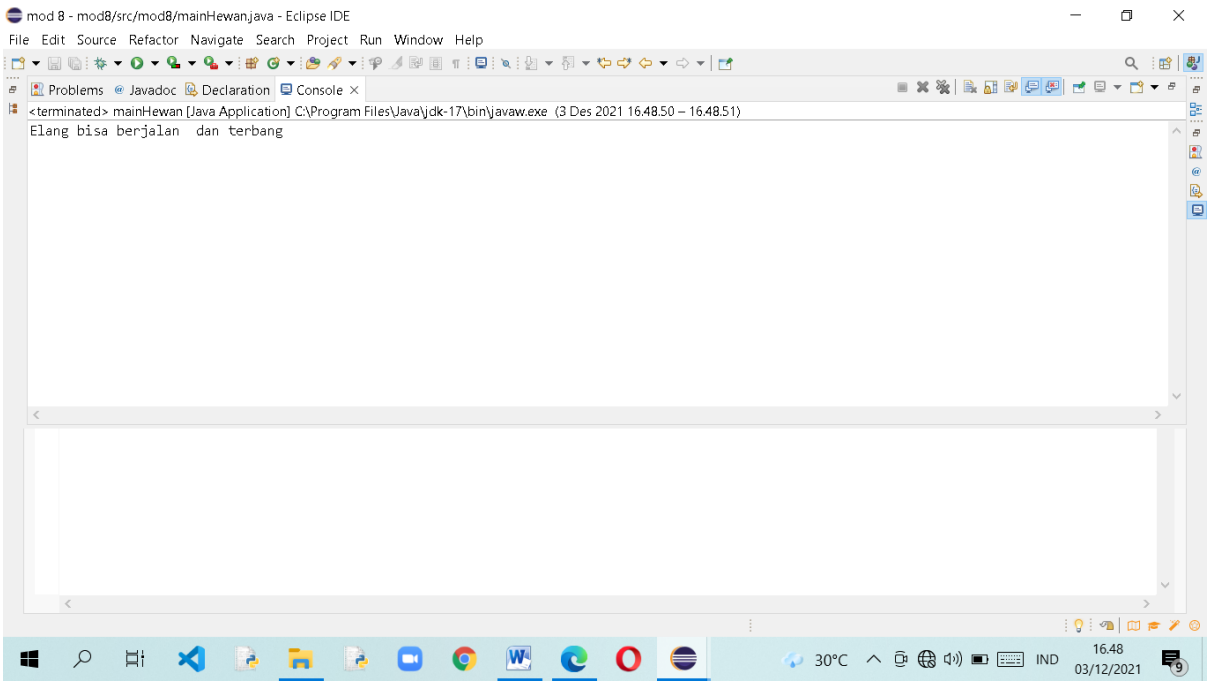
b. Class Elang



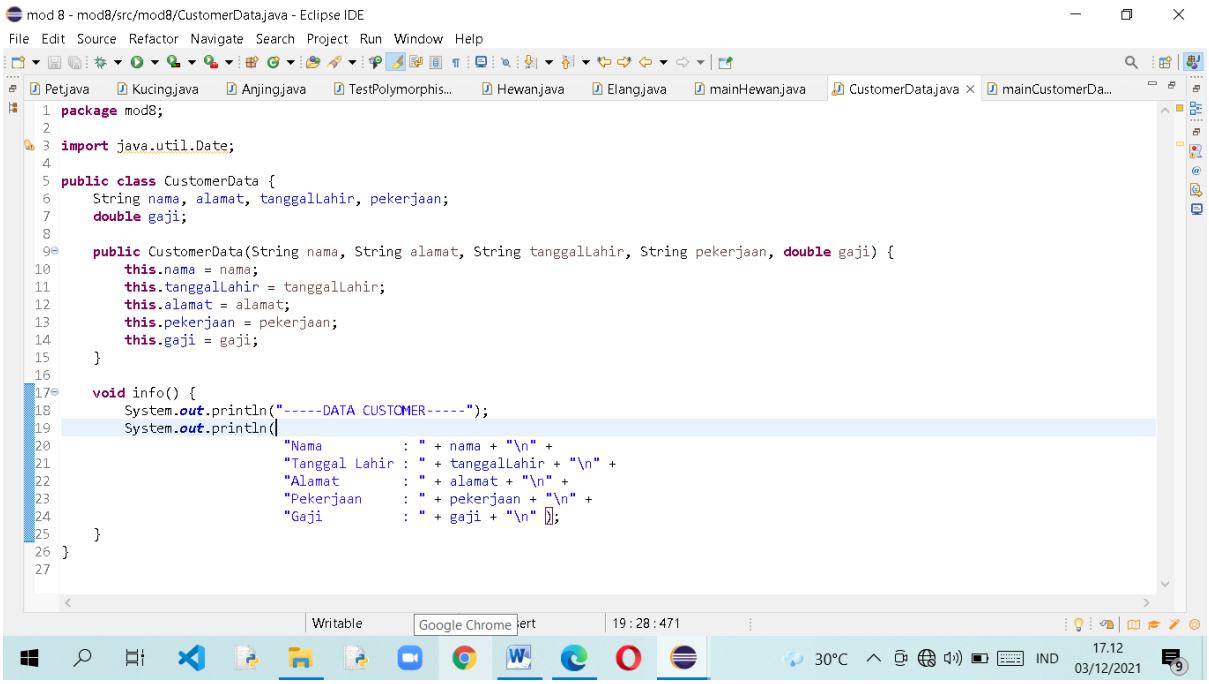
c. Class mainHewan



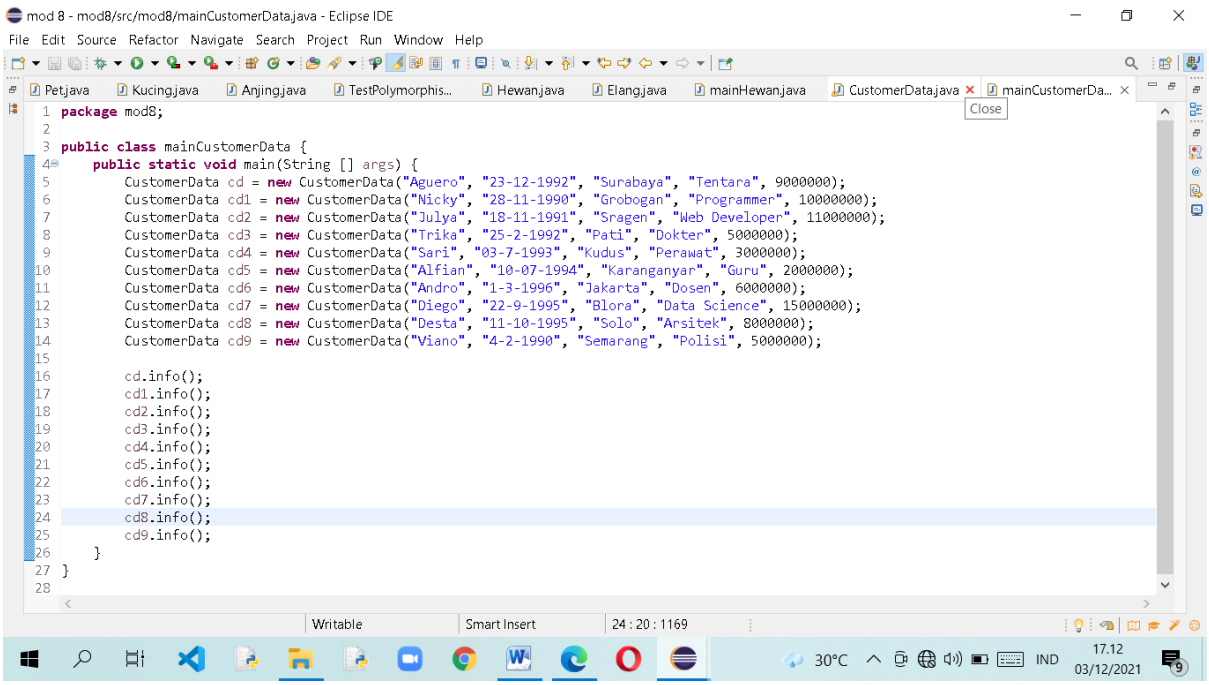
d. Output



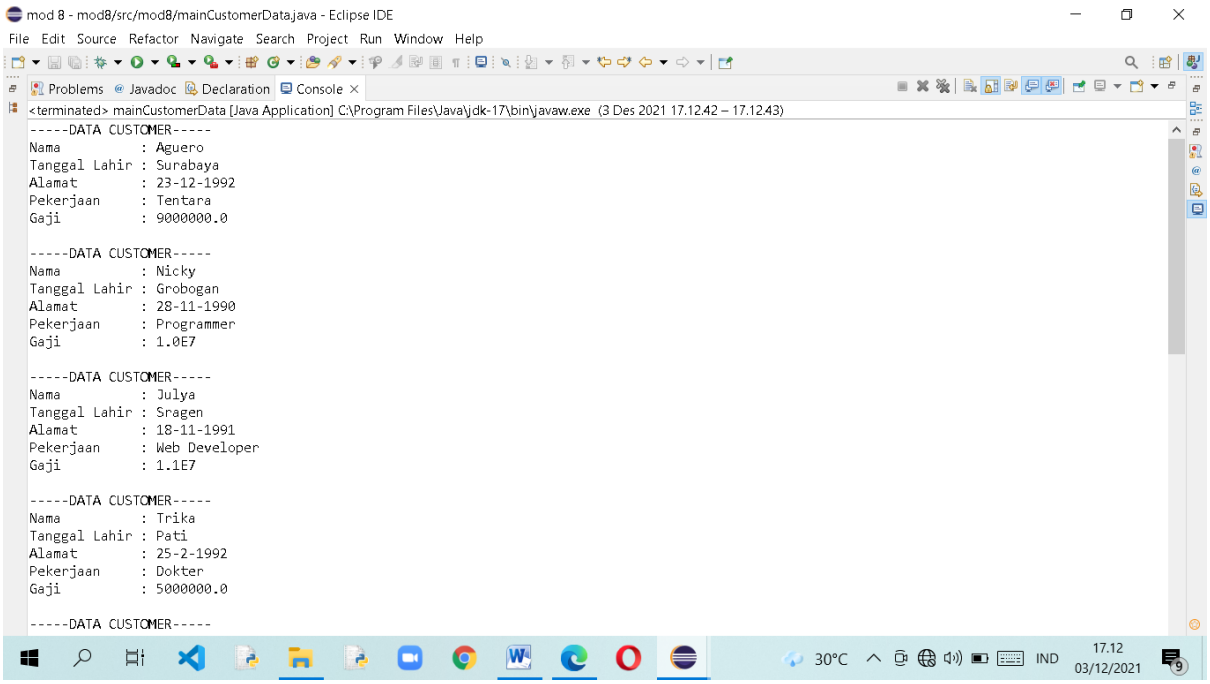
2. Buatlah class baru dengan nama CustomerData, tambahkan variabel nama, alamat, tanggal lahir, pekerjaan dan gaji. Selanjutnya buatlah overloading constructor dari class tersebut.
   a. Class CustomerData



3. Buatlah class baru dengan method main() yang disertai 10 object customer dari class CustomerData.
    a. Class MainCustomerData



    b. Class MainCustomerData


mod 8 - mod8/src/mod8/mainCustomerData.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Declaration Console
<terminated> mainCustomerData [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (3 Des 2021 17.12.42 – 17.12.43)
-----DATA CUSTOMER-----
Nama : Aguero
Tanggal Lahir : Surabaya
Alamat : 23-12-1992
Pekerjaan : Tentara
Gaji : 9000000.0
-----DATA CUSTOMER-----
Nama : Nicky
Tanggal Lahir : Grobogan
Alamat : 28-11-1990
Pekerjaan : Programmer
Gaji : 1.0E7
-----DATA CUSTOMER-----
Nama : Julya
Tanggal Lahir : Sragen
Alamat : 18-11-1991
Pekerjaan : Web Developer
Gaji : 1.1E7
-----DATA CUSTOMER-----
Nama : Trika
Tanggal Lahir : Pati
Alamat : 25-2-1992
Pekerjaan : Dokter
Gaji : 5000000.0
-----DATA CUSTOMER-----
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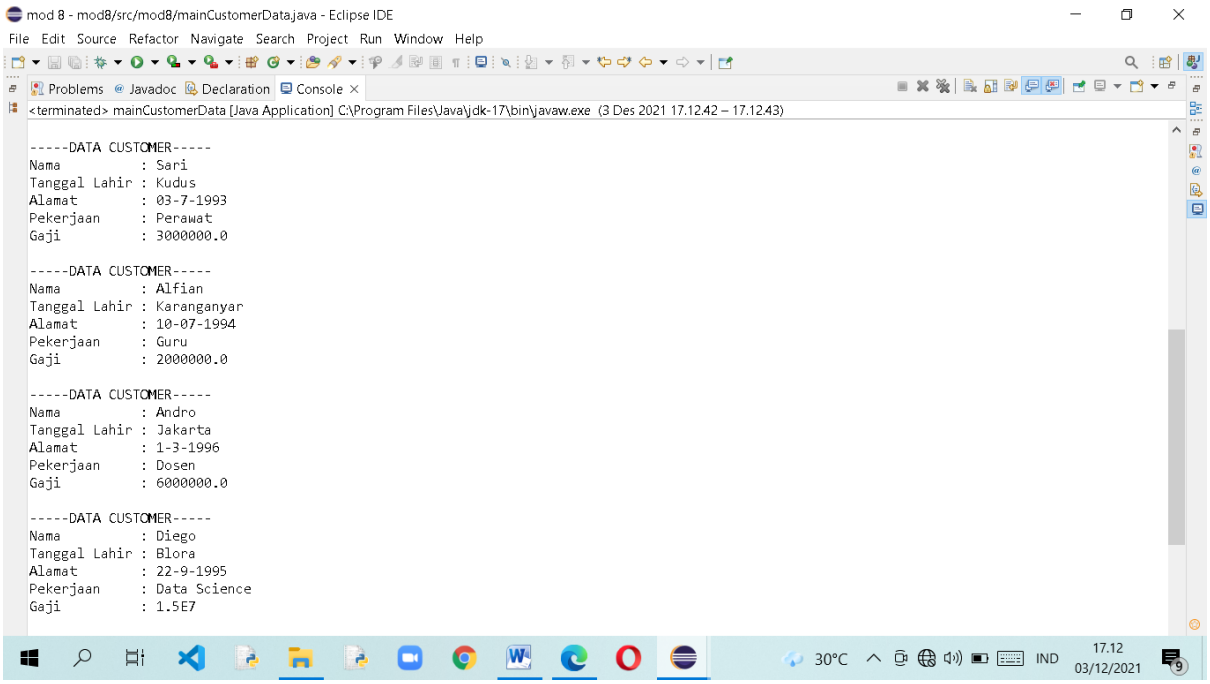
17.12
03/12/2021


mod 8 - mod8/src/mod8/mainCustomerData.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Declaration Console
<terminated> mainCustomerData [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (3 Des 2021 17.12.42 – 17.12.43)
-----DATA CUSTOMER-----
Nama : Sari
Tanggal Lahir : Kudus
Alamat : 03-7-1993
Pekerjaan : Perawat
Gaji : 3000000.0
-----DATA CUSTOMER-----
Nama : Alfian
Tanggal Lahir : Karanganyar
Alamat : 10-07-1994
Pekerjaan : Guru
Gaji : 2000000.0
-----DATA CUSTOMER-----
Nama : Andro
Tanggal Lahir : Jakarta
Alamat : 1-3-1996
Pekerjaan : Dosen
Gaji : 6000000.0
-----DATA CUSTOMER-----
Nama : Diego
Tanggal Lahir : Blora
Alamat : 22-9-1995
Pekerjaan : Data Science
Gaji : 1.5E7
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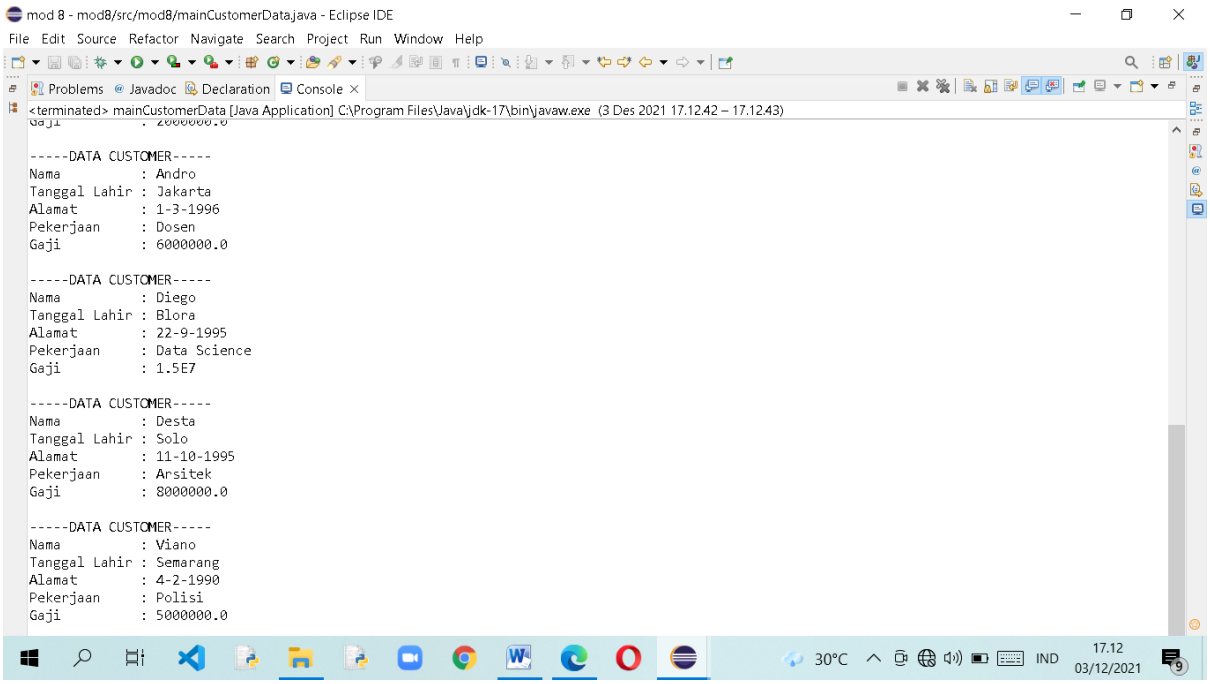
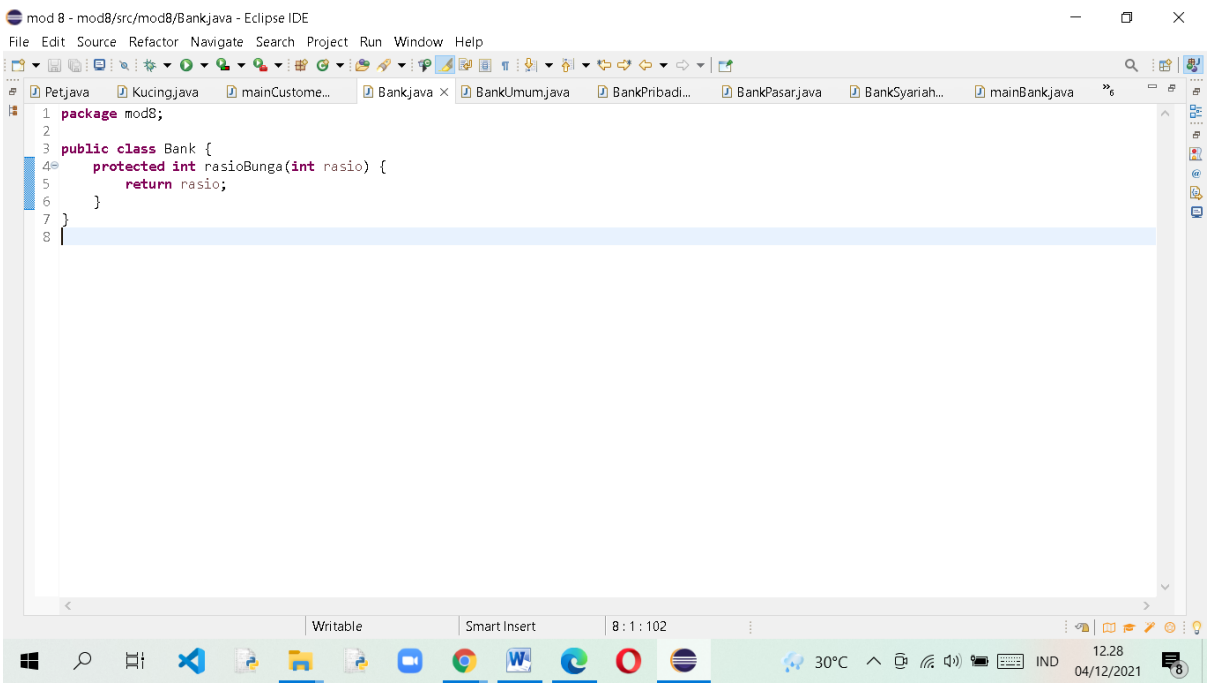
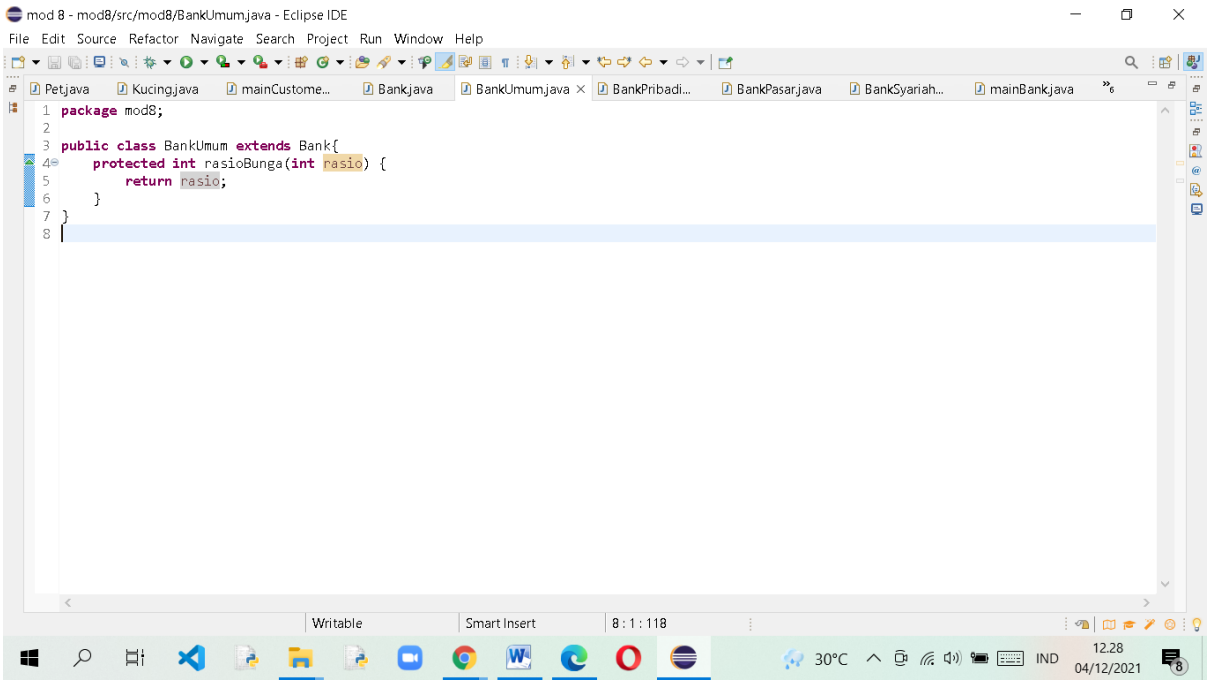
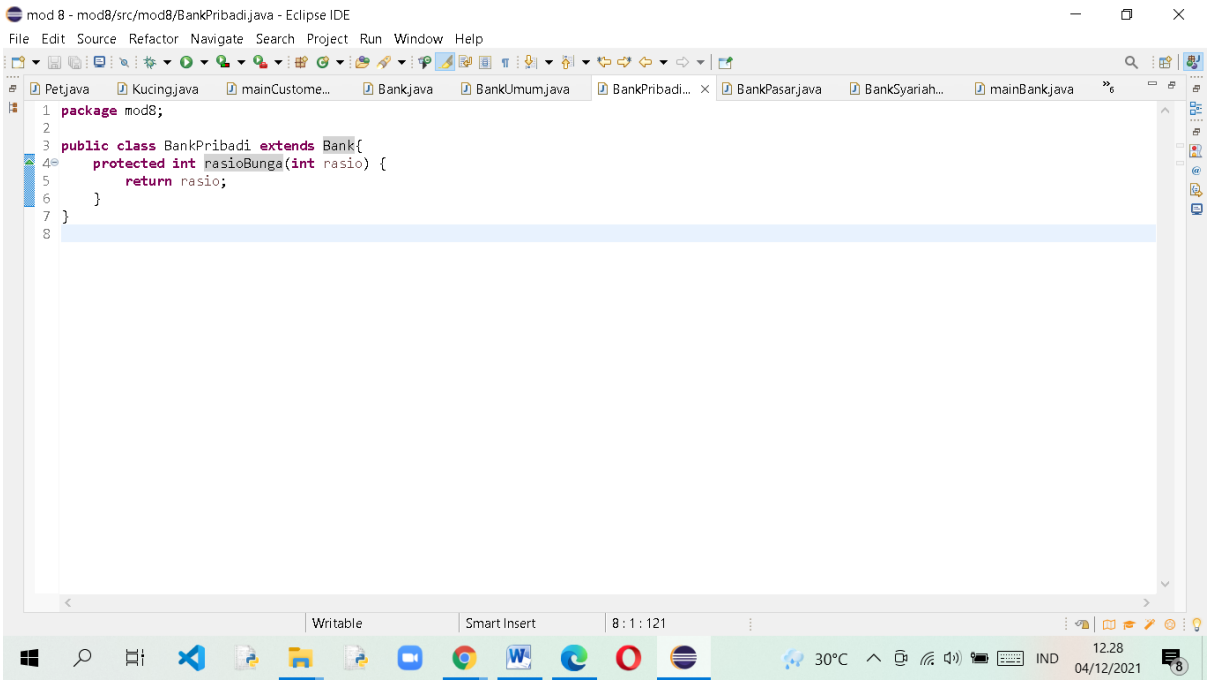
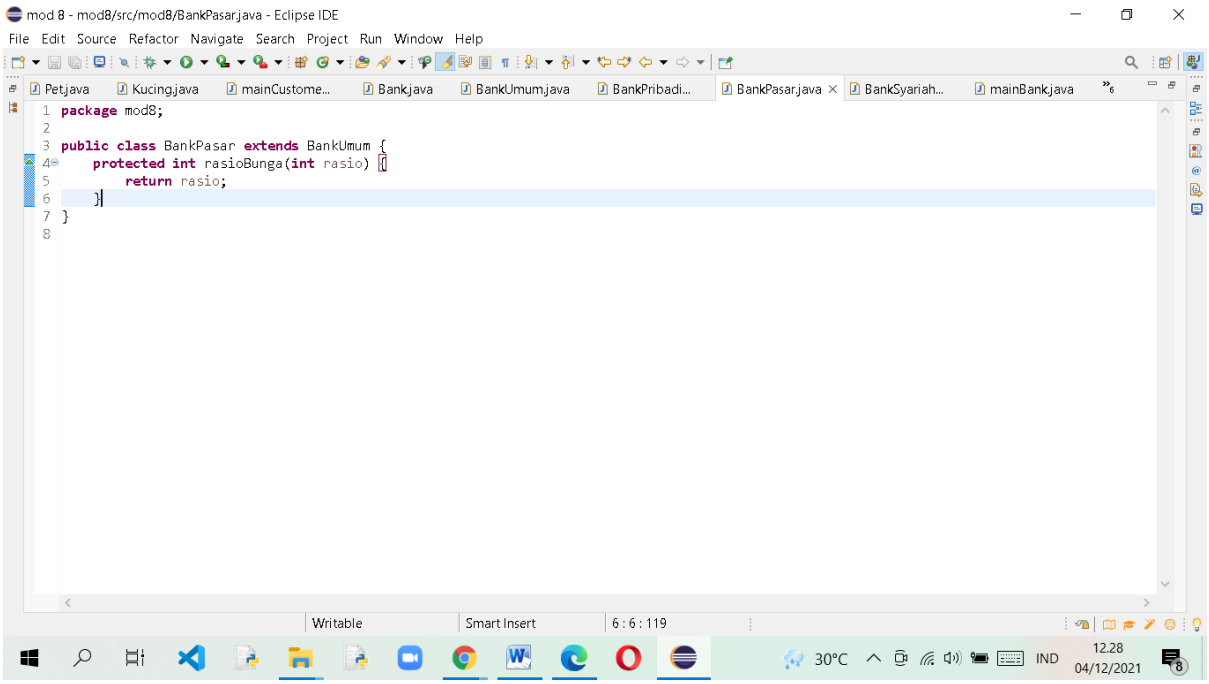


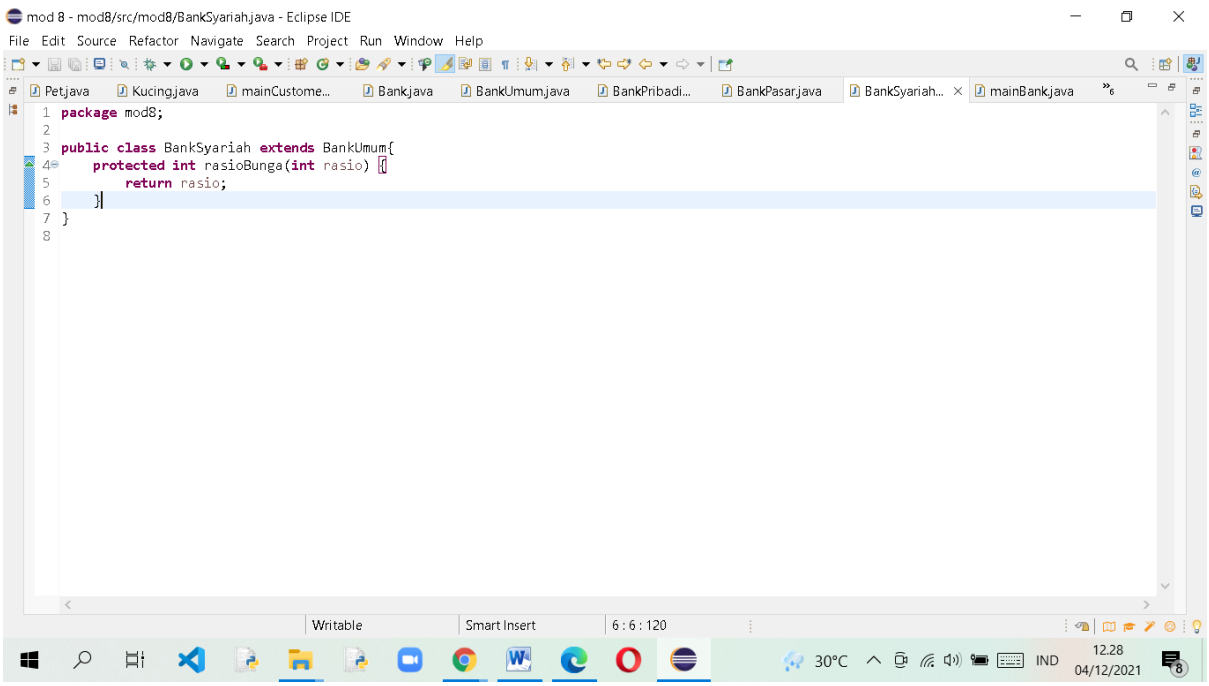
4. Buatlah class berdasarkan diagram UML berikut ini! Terapkan teknik polymorphism dan tampilkan hasil output program (screenshot)!
    a. Screenshot kode program dan output

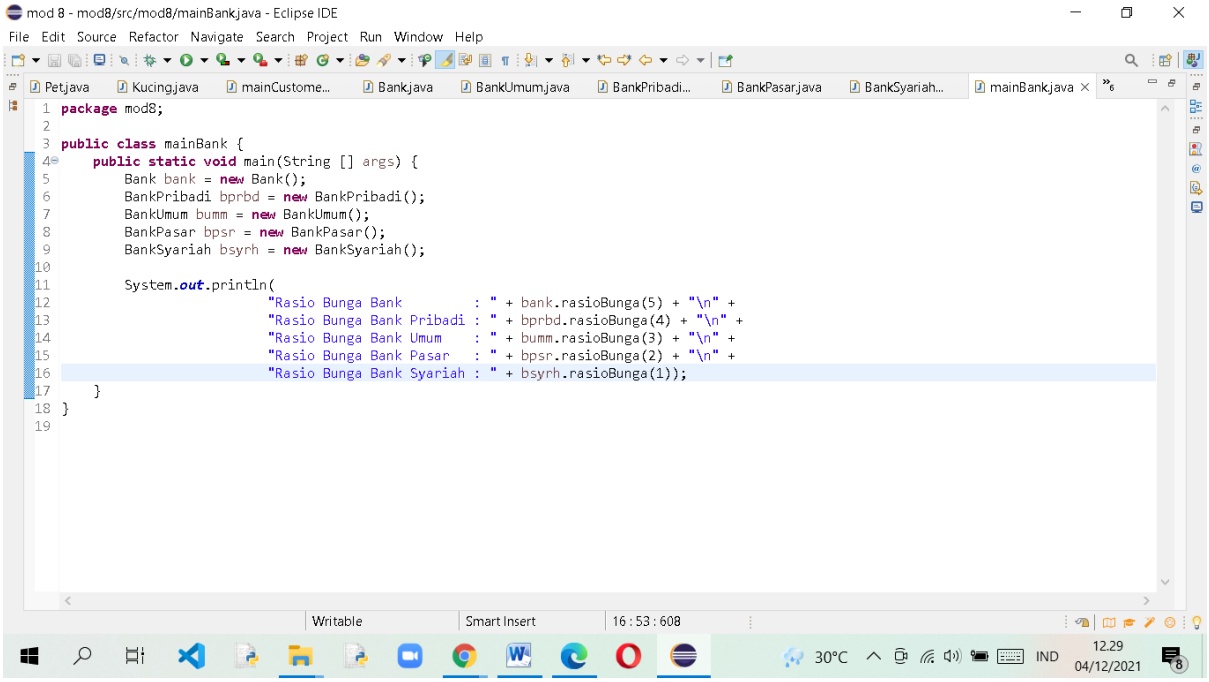



mod 8 - mod8/src/mod8/BankUmum.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Pet.java Kucing.java mainCustome... Bank.java BankUmum.java BankPribadi... BankPasar.java BankSyariah... mainBank.java
1 package mod8;
2
3 public class BankUmum extends Bank{
4 protected int rasioBunga(int rasio) {
5 return rasio;
6 }
7 }
8
Writable Smart Insert 8 : 1 : 118
30°C IND 12.28 04/12/2021


mod 8 - mod8/src/mod8/BankPribadi.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Pet.java Kucing.java mainCustome... Bank.java BankUmum.java BankPribadi... BankPasar.java BankSyariah... mainBank.java
1 package mod8;
2
3 public class BankPribadi extends Bank{
4 protected int rasioBunga(int rasio) {
5 return rasio;
6 }
7 }
8
Writable Smart Insert 8 : 1 : 121
30°C IND 12.28 04/12/2021


mod 8 - mod8/src/mod8/BankPasar.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Pet.java Kucing.java mainCustome... Bank.java BankUmum.java BankPribadi... BankPasar.java BankSyariah... mainBank.java
1 package mod8;
2
3 public class BankPasar extends BankUmum {
4 protected int rasioBunga(int rasio) {
5 return rasio;
6 }
7 }
8
Writable Smart Insert 6 : 6 : 119
30°C IND 12.28 04/12/2021


mod 8 - mod8/src/mod8/BankSyariah.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Pet.java Kucing.java mainCustome... Bank.java BankUmum.java BankPribadi... BankPasar.java BankSyariah... mainBank.java
1 package mod8;
2
3 public class BankSyariah extends BankUmum{
4 protected int rasioBunga(int rasio) {
5 return rasio;
6 }
7 }
8
Writable Smart Insert 6 : 6 : 120
30°C IND 12.28 04/12/2021


mod 8 - mod8/src/mod8/mainBank.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Pet.java
Kucing.java
mainCustome...
Bank.java
BankUmum.java
BankPribadi...
BankPasar.java
BankSyariah...
mainBank.java
1 package mod8;
2
3 public class mainBank {
4 public static void main(String [] args) {
5 Bank bank = new Bank();
6 BankPribadi bprbd = new BankPribadi();
7 BankUmum bumm = new BankUmum();
8 BankPasar bpsr = new BankPasar();
9 BankSyariah bsyrh = new BankSyariah();
10
11 System.out.println(
12 "Rasio Bunga Bank : " + bank.rasioBunga(5) + "\n" +
13 "Rasio Bunga Bank Pribadi : " + bprbd.rasioBunga(4) + "\n" +
14 "Rasio Bunga Bank Umum : " + bumm.rasioBunga(3) + "\n" +
15 "Rasio Bunga Bank Pasar : " + bpsr.rasioBunga(2) + "\n" +
16 "Rasio Bunga Bank Syariah : " + bsyrh.rasioBunga(1));
17 }
18 }
19
Writable
Smart Insert
16 : 53 : 608
30°C
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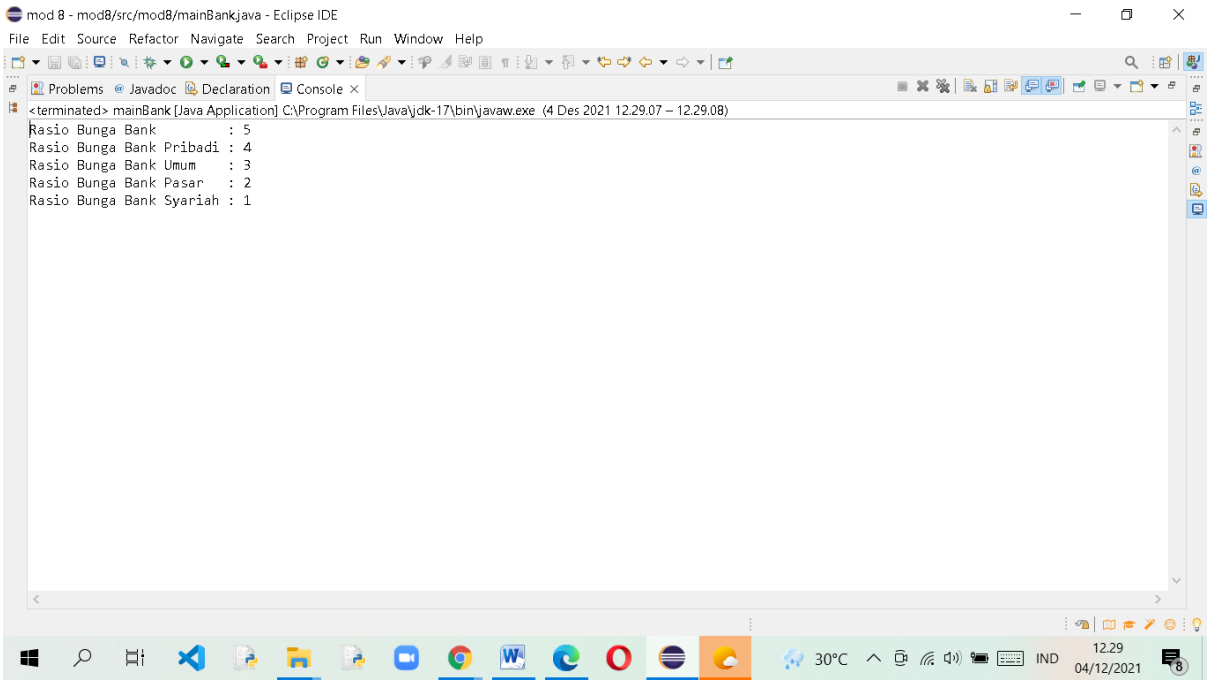
04/12/2021


mod 8 - mod8/src/mod8/mainBank.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems
Javadoc
Declaration
Console
<terminated> mainBank [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (4 Des 2021 12.29.07 – 12.29.08)
Rasio Bunga Bank : 5
Rasio Bunga Bank Pribadi : 4
Rasio Bunga Bank Umum : 3
Rasio Bunga Bank Pasar : 2
Rasio Bunga Bank Syariah : 1
30°C
IND
12.29
04/12/2021