02-03-19 home work\_3

Variable declare:

**package** variableDeclare;

**public** **class** Teacher {

**public** String name;

**public** String gender;

**public** String phone;

**public** **int** age;

**public** **int** address;

**public** String favorite;

**public** **boolean** result;

//public String name="nurul";

//public String gender="male";

//public String phone;

//public int age;

//public int address;

//public String favorite;

**Test:**

**package** variableDeclare;

**public** **class** TestTeacher {

**public** **static** **void** main(String[] args) {

Teacher tea1 =**new** Teacher();

tea1.name="nurul";

tea1.gender="male";

tea1.phone="iphone6s";

tea1.age=30;

tea1.address=20-42;

tea1.result=**true**;

System.***out***.println("Name:" +tea1.name);

System.***out***.println("Gender:" +tea1.gender);

System.***out***.println("Phone:" +tea1.phone);

System.***out***.println("Age:" +tea1.age);

System.***out***.println("Address:" +tea1.address);

System.***out***.println("Result:" +tea1.result);

Teacher tea2 =**new** Teacher();

tea2.name="jame";

tea2.gender="female";

tea2.phone="iphoneX";

tea2.age=21;

tea2.favorite="traveling";

System.***out***.println("Name:" +tea2.name);

System.***out***.println("Gender:" +tea2.gender);

System.***out***.println("Phone:" +tea2.phone);

System.***out***.println("Favorite:" +tea2.favorite);

System.***out***.println("Age:" +tea2.age);

System.***out***.println("Address:" +tea2.address);

}

}

Result:

Name:nurul

Gender:male

Phone:iphone6s

Age:30

Address:-22

Result:true

Name:jame

Gender:female

Phone:iphoneX

Favorite:traveling

Age:21

Address:0

**package** ParametarizeMethod;

**public** **class** Teacher {

String name;

String gender;

**int** age;

**int** phone;

**public** **void** setInformation(String n,String g,**int** a,**int** ph) {

name=n;

gender= g;

age=a;

phone=ph;

}

**public** **void** displayInformation() {

System.***out***.println("Name:" +name);

System.***out***.println("Gender:" +gender);

System.***out***.println("Age:" +age);

System.***out***.println("Phone:" +phone);

//System.out.println("\n\n");

}

Test:

**package** ParametarizeMethod;

**public** **class** TestTeacher {

**public** **static** **void** main(String[] args) {

Teacher tea1 =**new** Teacher();

tea1.setInformation("nurul", "male", 29, 7198677);

tea1.displayInformation();

System.***out***.println("\n");

Teacher tea2 = **new** Teacher();

tea2.setInformation("jame", "male", 21, 7190980);

tea2.displayInformation();

}

}

Result:

Name:nurul

Gender:male

Age:29

Phone:7198677

Name:jame

Gender:male

Age:21

Phone:7190980

Constructor:

**package** Constructor\_Parametarize;

**public** **class** Constructor\_Teacher {

String name;

String gender;

**int** age;

**int** phone;

**int** road;

**public** Constructor\_Teacher(String n,String g,**int** a,**int** ph,**int** ro) {

name=n;

gender=g;

age=a;

phone=ph;

road=ro;

}

**public** **void** displayInformation() {

System.***out***.println("Name:" +name);

System.***out***.println("Gender:" +gender);

System.***out***.println("Age:" +age);

System.***out***.println("Road:" +road);

System.***out***.println("Phone:" +phone);

System.***out***.println('\n');

}

}

Test:

**package** Constructor\_Parametarize;

**public** **class** Test\_Constructor\_Parametarize {

**public** **static** **void** main(String[] args) {

Constructor\_Teacher tea1 = **new** Constructor\_Teacher("nurul" , "male", 27,718970,20);

tea1.displayInformation();

Constructor\_Teacher tea2 = **new** Constructor\_Teacher("jame" , "female", 21,756455,10);

tea2.displayInformation();

}

}

Result:

Name:nurul

Gender:male

Age:27

Road:20

Phone:718970

Name:jame

Gender:female

Age:21

Road:10

Phone:756455

**Default Constructor**;

**package** DefaultConstructor;

**public** **class** Default\_Constructor\_Teacher {

String name;

String gender;

**int** age;

**int** phone;

**public** Default\_Constructor\_Teacher() {}

**public** Default\_Constructor\_Teacher(String n,String g,**int** ag,**int** ph) {

name=n;

gender=g;

age=ag;

phone=ph;

}

**public** **void** displayInformation() {

System.***out***.println("Name:" +name);

System.***out***.println("Gender:" +gender);

System.***out***.println("Age:" +age);

System.***out***.println("Phone:" +phone);

System.***out***.println("\n");

}

} Test:

**package** DefaultConstructor;

**public** **class** Test\_Constructor {

**public** **static** **void** main(String[] args) {

Default\_Constructor\_Teacher teacher1 = **new** Default\_Constructor\_Teacher("nurul","male",29,9829892);

teacher1.displayInformation();

Default\_Constructor\_Teacher teacher2 = **new** Default\_Constructor\_Teacher("jame","female",21,81829892);

teacher2.displayInformation();

Default\_Constructor\_Teacher teacher3= **new** Default\_Constructor\_Teacher();

teacher3.displayInformation();

}

}

Result:

Name:nurul

Gender:male

Age:29

Phone:9829892

Name:jame

Gender:female

Age:21

Phone:81829892

Name:null

Gender:null

Age:0

Phone:0