**public** **class** Employee {

**private** String name;

**private** **int** age;

**private** **char** gender;

**public** Employee()

{

**this**.name = " ";

**this**.age = 0;

**this**.gender = ' ';

}

**public** Employee(String name, **int** age, **char** gender)

{

**this**.name = name;

**this**.age = age;

**this**.gender = gender;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **int** getAge() {

**return** age;

}

**public** **void** setAge(**int** age) {

**this**.age = age;

}

**public** **char** getGender() {

**return** gender;

}

**public** **void** setGender(**char** gender) {

**this**.gender = gender;

}

**public** **void** display()

{

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

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

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

}

**public** String toString()

{

**return** ( "The name is : " + name + "\nThe age is : " + age + "\nThe gender is : " +gender );

}

}

**public** **class** PartTimeEmployee **extends** Employee{

**private** **int** nbh;

**private** **double** rate;

**public** PartTimeEmployee()

{

**super**();

nbh =0;

rate = 0.0;

}

**public** PartTimeEmployee(String nn, **int** aa, **char** gg, **int** nh, **double** rr)

{

**super**(nn, aa, gg);

nbh = nh;

rate = rr;

}

**public** **int** getNbh() {

**return** nbh;

}

**public** **void** setNbh(**int** nbh) {

**this**.nbh = nbh;

}

**public** **double** getRate() {

**return** rate;

}

**public** **void** setRate(**double** rate) {

**this**.rate = rate;

}

**public** **void** dispaly()

{

**super**.display();

System.***out***.println("The nb of hours is: " + nbh);

System.***out***.println("The rate is: " + rate);

}

**public** String toString()

{

**return** (**super**.toString() + "\nThe nb of hours is: " + nbh +"\nThe rate is: " + rate);

}

**public** **double** computeSalary()

{

**return** nbh \* rate;

}

}

**public** **class** Test\_Employee {

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

PartTimeEmployee PT1 = **new** PartTimeEmployee("Ali", 23, 'M', 10, 500);

System.***out***.println("The name is : " + PT1.getName());

PT1.setAge(37);

PT1.dispaly();

System.***out***.println("The salary is : " + PT1.computeSalary());

}

}