```java
public class Employee {

	private String name;
	private int age;
	private char gender;

	public Employee()
	{
		name =" ";
		age =0;
		gender= ' ';
	}

	public Employee(String nn, int aa, char gg)
	{
		name = nn;
		age = aa;
		gender= gg;
	}

	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 String toString() {
		return ("The name is: " + name + "\nThe age is: " + age +
				"\nThe gender is: " + 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 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 nbb,
double rr)
	{
		super(nn, aa, gg);
	    nbh = nbb;
	    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 display()
	{
		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 FullTimeEmployee extends Employee{

	private double weeklysalary;

	public FullTimeEmployee()
	{
		super();
		weeklysalary=0.0;
	}

	public FullTimeEmployee(String nn, int aa, char gg, double ws)
	{
		super(nn, aa, gg);
		weeklysalary = ws;
	}
```

```
	public double getWeeklysalary() {
		return weeklysalary;
	}

	public void setWeeklySalary(double ws) {
		this.weeklysalary = ws;
	}


	public void display()
	{
		super.display();
		System.out.println("The weekly salary is: " +weeklysalary);
	}

	public String toString()
	{
		return(super.toString()+ "\nThe weekly salary is: " +
weeklysalary);
	}


	public double computeSalary()
	{
		return 4*weeklysalary ;
	}
}



public class Test_Employee {

	public static void main(String[] args) {

		PartTimeEmployee PT1 = new PartTimeEmployee();

		PT1.setName("Ali");
		PT1.setAge(24);
		PT1.setGender('M');
		PT1.setNbh(10);
		PT1.setRate(200);

		PT1.display();

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

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


      System.out.println("=======================================");

            PartTimeEmployee PT2 = new PartTimeEmployee("Maryam", 21,
'F', 20, 500);

            System.out.println(PT2.toString());

            System.out.println("The Salary is: " + PT2.computeSalary());


      System.out.println("=======================================");

            FullTimeEmployee FT = new FullTimeEmployee("Bader", 21, 'M',
1500);

            System.out.println(PT2);

            System.out.println("The Salary is: " + PT2.computeSalary());




      }

}
```