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*I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a marks of zero will be awarded.*

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## **1. Introduction**

This project was assigned to us on the 8<sup>th</sup> week for our module of java programing. This assignment solely shows the use of java programming language. It shows how the staffs are hired in an organisation be it full time staff or part time.

## 2. Class Diagram

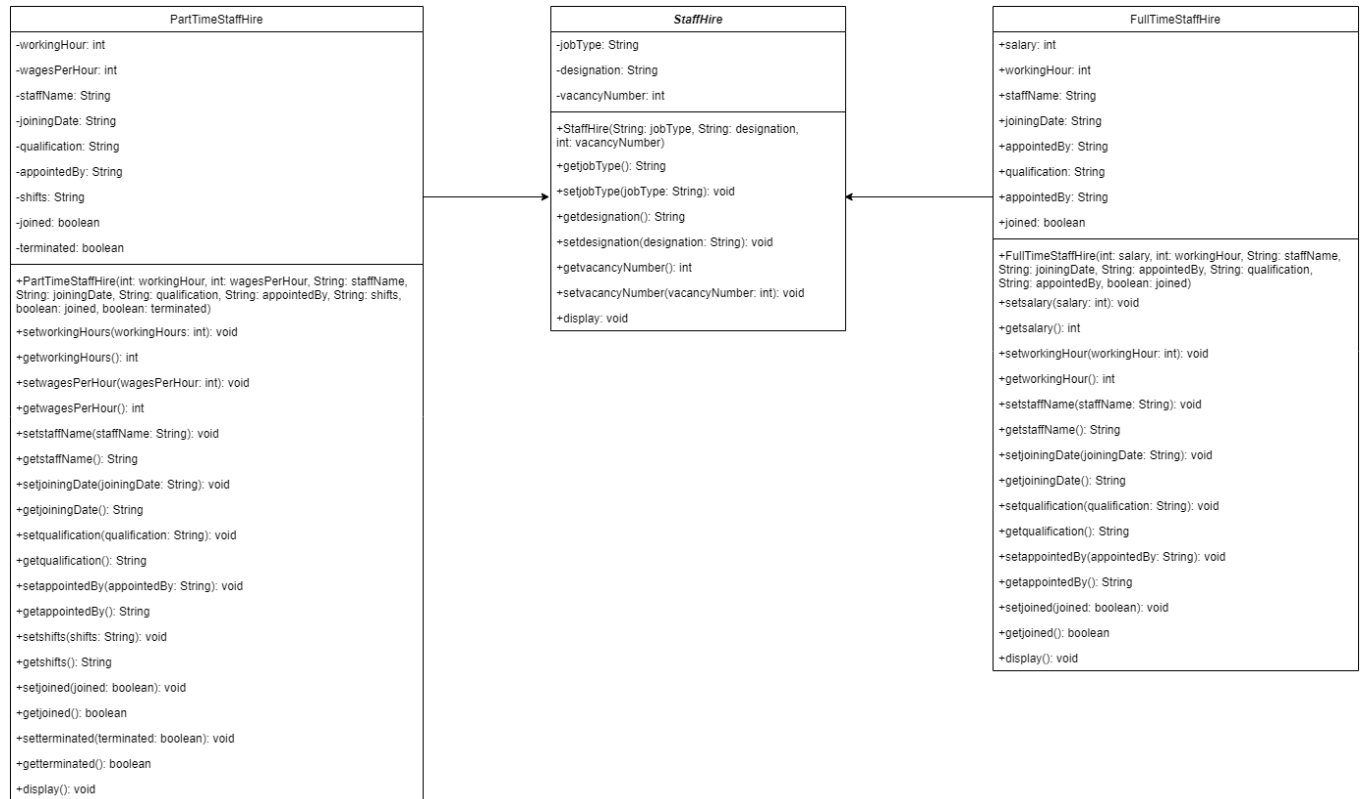


Figure 1: Class Diagram

### 3. Pseudocodes

#### 3.1 Pseudocode of StaffHire (parent class)

CALL StaffHire(String jobType, String designation, int vacancyNumber)

DO

    This.jobType IS EQUALS TO jobType;  
    This.designation IS EQUALS TO designation;  
    This.vaccancyNumber IS EQUALS TO vacancyNumber;  
END DO

CALL getjobType(): String

DO  
    return jobType;  
END DO

CALL getdesignation(): String

DO  
    return designation;  
END DO

CALL vacancyNumber()

DO  
    return vacancyNumber()  
END DO

CALL setjobType(String jobType)

DO  
    This.jobType IS EQUALS TO Type  
END DO

CALL Display()

DO  
    OUTPUT("vacancyNumber"+getvacancyNumber())  
    OUTPUT("designation"+getdesignation())  
    OUTPUT("jobType"+getjobType())  
END DO

### 3.2 Pseudocode of FullTimeStaffHire

CALL FullTimeStaffHire(int vacancyNmber, String designation, String jobType,  
int Salary, int workingHour)

DO

    SUPER(vacancyNumber, Designation, jobType)  
    This.salary IS EQUALS TO salary  
    This.workingHour IS EQUALS TO workingHour  
    This.staffName IS EQUALS TO empty String  
    This.joiningDate IS EQUALS TO empty String  
    This.qualification IS EQUALS TO empty String  
    This.Joined IS EQUALS TO false

END DO

CALL getsalary(): int

DO

    return salary;

END DO

CALL getworkingHour(): int

DO

    return workingHour;

END DO

CALL getjoiningDate(): String

DO

    return joiningDate;

END DO

CALL getqualification(): String

DO

    return qualification;

END DO

CALL getappointedBy(): String

DO

    return appointedBy;

END DO

CALL getjoined(): boolean

DO

    return getjoined;

END DO



```
CALL setWorkingHour(int workingHour)
DO
    This.workingHour IS EQUALS TO workingHour
END DO

CALL CheckSalaryY (int Salary)
DO

    IF (joined) (compared true)
    DO
        DISPLAY ("It is not possible to change the salary");
    END DO

    ELSE

    DO
        This.salary IS EQUALS TO salary
    END DO

END DO

CALL Checkworking (int workingHour)
DO
    This.workingHour IS EQUAL TO workinghour;
END DO

CALL FullTimeStaffHire(String staffName, String joiningDate, String
qualification, String appointedBy)

DO

    IF(Joined)

    DO

        OUTPUT("staffName" +getStaffName())
        OUTPUT("joinedDate"+getJoiningDate())

    END DO

    ELSE

    DO
```

```
    This.staffName IS EQUALS TO staffName;  
    This.joiningDate IS EQUALS TO joiningDate;  
    This.qualification IS EQUALS TO qualification;  
    This.appointed_By IS EQUALS TO appointedBy;  
    This.joined IS EQUALS TO true;  
  
    END DO  
  
    CALL display()  
  
    DO  
  
        SUPER.display()  
  
        IF(joined)  
  
            OUTPUT("staffName="+getstaffName())  
            OUTPUT("salary="+getSalary())  
            OUTPUT("workingHour="+getworkingHour())  
            OUTPUT("dateJoined="+getjoiningDate())  
            OUTPUT("appointedBy="+getappointedBy())  
  
        END DO  
    END DO
```

### 3.3 Pseudocode of PartTimeStaffire

CALL PartTimeStaffHire (int vacancyNumber, String designation, String jobType, int workingHour, int wagesPerHour, String shifts)

DO

```
    SUPER(vacancy_Number, Designation, job_Type)
    This.workingHour IS EQUALS TO workinghour;
    This.wages_per_hour IS EQUALS TO wagesPerHour;
    This.shifts IS EQUALS TO shifts;
    This.staff_Name IS EQUALS TO empty String;
    This.joining_Date IS EQUALS TO empty String;
    This.qualification IS EQUALS TO empty String;
    This.appointed_By IS EQUALS TO empty String;
    This.joined IS EQUALS TO false;
    This.terminated IS EQUALS TO false;
```

END DO

CALL getvacancyNumber(): int

DO

return vacancyNumber;

END DO

CALL getworkingHour()

DO

return workingHour;

END DO

CALL getWagesPerHour()

DO

return wagesPerHour;

END DO

CALL staffName()

DO

return staffName;

END DO

CALL String getJoining\_Date()

DO

return joiningDate;

END DO

CALL getqualification(): String

```
        DO
            return qualification;
        END DO

CALL getappointedBy()
    DO
        return appointedBy;
    END DO

CALL getShifts()
    DO
        return shifts;
    END DO

CALL getJoined(): boolean
    DO
        return joined;
    END DO

CALL getTerminated(): boolean
    DO
        return terminated;
    END DO

CALL setWorkingShifts(String shifts)
DO

    IF(joined)
    DO
        OUTPUT("staffName="+getstaffName())
        OUTPUT("joinedDate"+getjoinedDate())
    END DO

    ELSE
        This.shifts IS EQUALS TO shifts

END DO

CALL PartTimeStaffHire(String staffName, String joinedDate, String qualification
, String appointedBy)

DO
    IF(joined)

    DO
        OUTPUT("staffName="+getstaffName())
```

```
        OUTPUT("joinedDate"+getJoinedDate())
        END DO

    ELSE

        DO

            This.staffName IS EQUALS TO staffName
            This.joining_Date IS EQUALS TO joinedDate
            This.qualification IS EQUALS TO qualification
            This.appointed_By IS EQUALS TO appointedBy
            This.joined IS EQUALS TO joined
            This.terminated IS EQUALS TO false

        END DO

    END DO

    CALL TerminatedStaff(boolean Terminated )

    DO
        OUTPUT("The staff is already terminated")
    END DO
    ELSE

        DO

            This.staffName IS EQUALS TO empty String
            This.joinedDate IS EQUALS TO empty String
            This.qualification IS EQUALS TO empty String
            This.appointedBy IS EQUALS TO empty String
            This.joined IS EQUALS TO empty String
            This.terminated IS EQUALS TO true

        END DO
    END DO

    CALL display()
    SUPER display()
    IF joined EQUALS TRUE
    DO
        PRINT("staffName="+getstaffName())
        PRINT("salary="+getsalary())
        PRINT("workingHour="+getworkingHour())
        PRINT("joinedDate="+getjoinedDate())
        PRINT("qualification="+getqualification())
```

```
        PRINT("appointedBy="=getappointedBy())  
END DO
```

## 4. Method description

### 4.1 Method description for StaffHire

Method	Description
StaffHire	Initializes designation and jobType with empty String and vacancyNumber with int.
setjobType	Assigns the parameter value to jobType
getjobType	Return the value of jobType
setdesignation	Assigns the parameter value to designation
getdesignation	Returns the value of designation
setvacancyNumber	Assigns the parameter value to vacancyNumber with int datatype
getvacancyNumber	Returns the value of vacancyNumber

*Table 1: Method description for StaffHire*

### 4.2 Method description for FullTimeStaffHire

Method	Description
FullTimeStaffHire	Initializes description of parent class with parameters staffName, qualification, joinedDate and appointedBy
Setsalary	Assigns the parameter value to salary
getsalary	Returns the value of salary
setworkingHour	Assigns the parameter value workingHour
getworkingHour	Returns the value of workingHour
setstaffName	Assigns the parameter value of staffName
getstaffName	Returns the value of staffName
setjoinedDate	Assigns the parameter value of joinedDate
getjoinedDate	Returns the value of joinedDate
setqualification	Assigns the parameter value of qualification
getqualification	Returns the value of qualification
setappointedBy	Assigns the parameter value of appointedBy
getappointedBy	Returns the value of appointedBy
setjoined	Assigns the parameter value of joined
Getjoined	Return the value of joined in Boolean datatype

*Table 2: Method description for FullTimeStaffHire*

### 4.3 Method description for PartTimeStaffHire

Method	Description
PartTimeStaffHire	Initializes the description of the parent class via parameters designation, jobType, vacancyNumber, workingHour, wagesPerHour and shifts
setworkingHour	Assigns the parameter value to workingHour
getworkingHour	Returns the value of workingHour
setwagesPerHour	Assigns parameter value to wagesPerHour
getwagesPerHour	Returns value of wagesPerHour
setstaffName	Assigns parameter value to staffName
getstaffName	Returns value of staffName
setjoinedDate	Assigns parameter value to joinedDate
getjoinedDate	Returns value of joinedDate
setqualification	Assigns parameter value to qualification
getquaification	Returns value of qualification
setappointedBy	Assigns parameter value to appointedBy
getappointedBy	Returns value of appointedBy
setshifts	Assigns parameter value to shifts
getshifts	Returns value of shifts
setjoined	Assigns parameter value to joined
getjoined	Returns value of joined in Boolean datatype
setterminated	Assigns parameter value to terminated
getterminated	Returns value of terminated in Boolean datatype

*Table 3: Method description for PartTimeStaffHire*



## 5. Testing

### 5.1 Test 1

Objective	To inspect FullTimeStaffHire, hire full time staff and re-inspect the FullTimeStaffHire class
Action	<p>The FullTimeStaffHire class is called with following arguments:</p> <p>vacancyNumber: 13</p> <p>designation: "Managing Director"</p> <p>jobType: "Full time"</p> <p>salary: 75000</p> <p>workingHour: 9</p> <p>Inspection of FullTimeStaffHire class.</p> <p>Void FullTimeStaffHire is called with the following arguments:</p> <p>staffName: "Karsang Gurung"</p> <p>joiningDate: "22 Feb, 2019"</p> <p>qualification: "MBA"</p> <p>appointedBy: "CEO"</p> <p>re-inspection of the FullStaffHire class.</p>
Expected Result	Full time staff should be displayed after getting appointed
Actual Result	The staff was hired
Conclusion	The test is successful

Table 4: Test 1

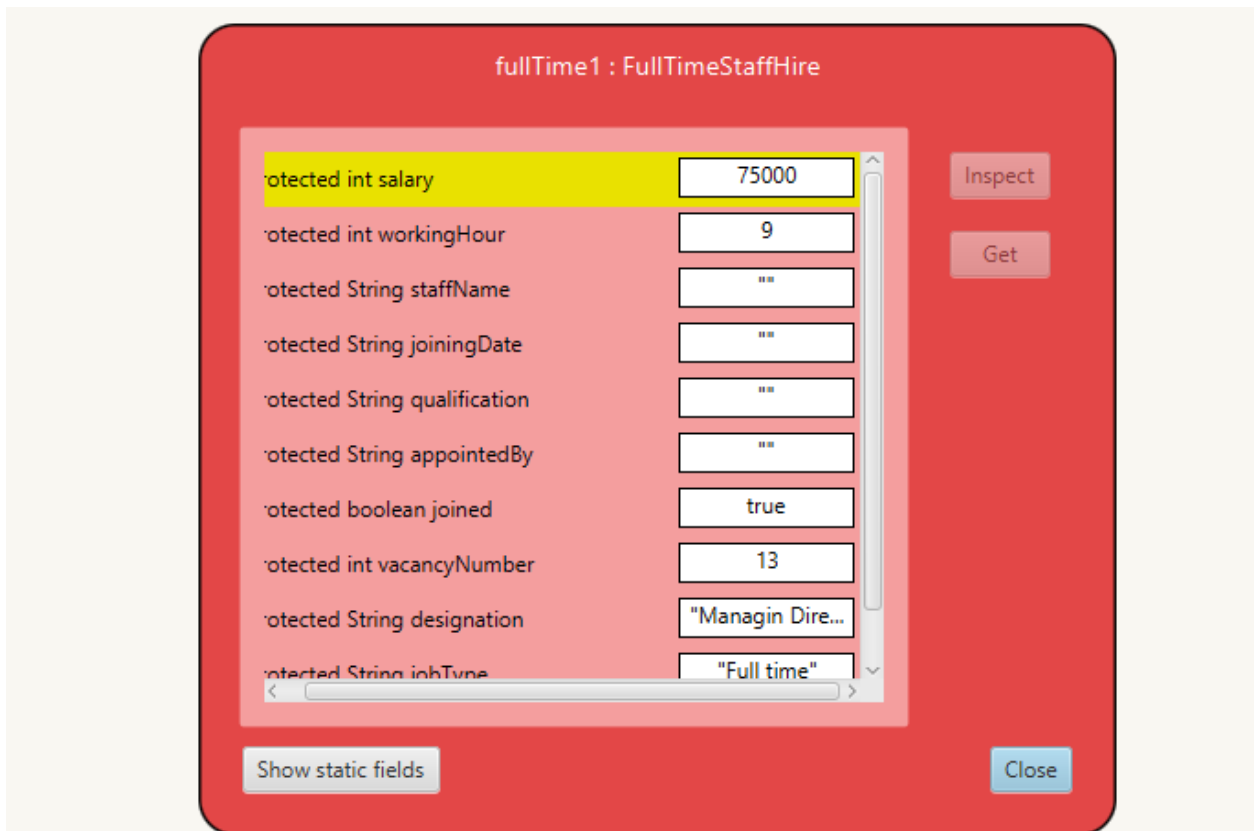


Figure 2: Inspection of FullTimeStaffHire

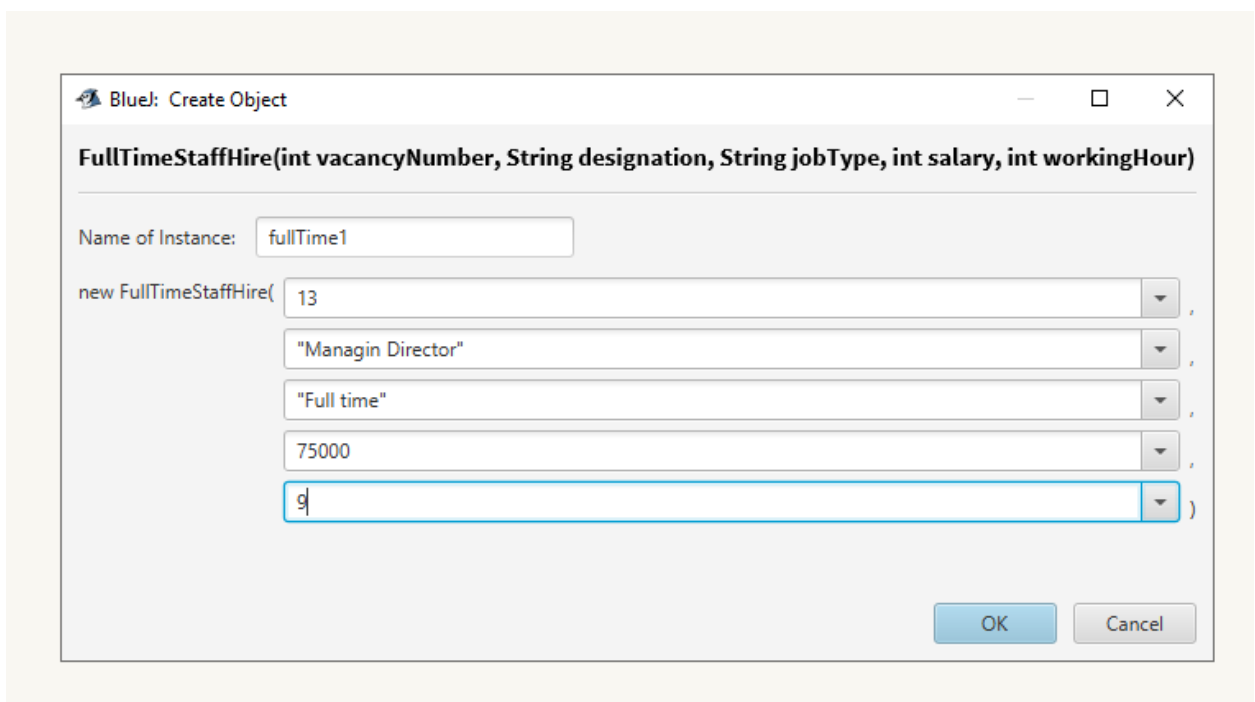


Figure 3: hiring full time staff

fullTime1 : FullTimeStaffHire

protected int salary	75000
protected int workingHour	9
protected String staffName	"Karsang Gurung"
protected String joiningDate	"22 Feb, 2019"
protected String qualification	"MBA"
protected String appointedBy	"CEO"
protected boolean joined	true
protected int vacancyNumber	13
protected String designation	"Managin Director"
protected String jobType	"Full time"

Buttons: Inspect, Get, Show static fields, Close

Figure 4: re-inspection

## 5.2 Test 2

Objective	To inspect PartTimeStaffHire, hire part time staff and re-inspect PartTimeStaffHire
Action	<p>The PartTimeStaffHire is called with the following arrangements:</p> <p>Designation:"CEO"</p> <p>jobType: "Part time"</p> <p>vacancyNumber: 13</p> <p>workingHour: 9</p> <p>wagesPerHour: 100</p> <p>shifts: "Day"</p> <p>Inspection of PartTimeStaffHire class</p> <p>Void PartTimeStaffHire is called with the following arguments:</p> <p>staffName: "Karsang Gurung"</p> <p>joiningDate: "22 Feb, 2019"</p>

	qualification: "MBA" appointedBy: "Founder" re-inspection of PartTimeStaffHire class
Expected result	Part Time staff should be displayed after getting appointed
Actual result	The staff was hired

Table 5: test 2

partTime1 : PartTimeStaffHire

private int workingHour	9	Inspect
private int wagesPerHour	100	
private String staffName	""	Get
private String joiningDate	""	
private String qualification	""	
private String appointedBy	""	
private String shifts	""	
private boolean joined	false	
private boolean terminated	false	
protected int vacancyNumber	13	
protected String designation	"CEO"	
protected String jobType	"Part time"	

Show static fields Close

Figure 5: inspection of PartTimeStaffHire

partTime1 : PartTimeStaffHire

private int workingHour	9	Inspect
private int wagesPerHour	100	
private String staffName	"Karsang Gurung"	Get
private String joiningDate	"22 Feb, 2019"	
private String qualification	"MBA"	
private String appointedBy	"Founder"	
private String shifts	"Day"	
private boolean joined	false	
private boolean terminated	false	
protected int vacancyNumber	13	
protected String designation	"CEO"	
protected String jobType	"Part time"	

Show static fields

Close

*Figure 6: re-inspection*

### 5.3 Test 3

Objective	To terminated Part Time Staff
Action	Inspection of PartTimeStaffHire class, Termination status of the staff and Re-inspection of PartTimeStaffHire class
Expected result	The status should be terminated
Actual result	The status is terminated.

Table 6: test 3

partTime1 : PartTimeStaffHire

private int workingHour	9	<div style="background-color: #f08080; border: 1px solid black; border-radius: 5px; padding: 5px; margin-bottom: 5px;">Inspect</div> <div style="background-color: #f08080; border: 1px solid black; border-radius: 5px; padding: 5px; margin-bottom: 5px;">Get</div>
private int wagesPerHour	100	
private String staffName	""	
private String joiningDate	""	
private String qualification	""	
private String appointedBy	""	
private String shifts	""	
private boolean joined	false	
private boolean terminated	false	
protected int vacancyNumber	13	
protected String designation	"CEO"	
protected String jobType	"Part time"	

Show static fields

Close

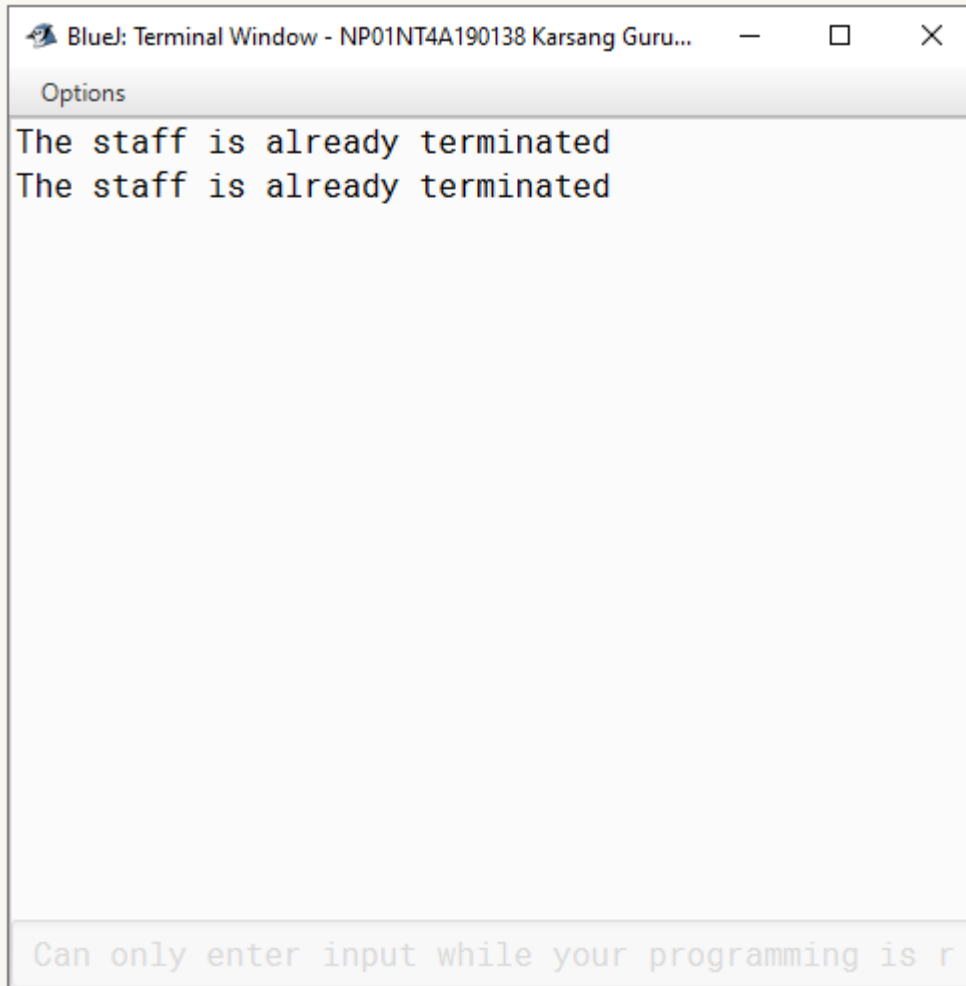


Figure 7: termination of fullstaff

partTime1 : PartTimeStaffHire

private int workingHour	9	Inspect
private int wagesPerHour	100	
private String staffName	"Karsang Gurung"	Get
private String joiningDate	"22 Feb, 2019"	
private String qualification	"MBA"	
private String appointedBy	"Founder"	
private String shifts	"Day"	
private boolean joined	false	
private boolean terminated	false	
protected int vacancyNumber	13	
protected String designation	"CEO"	
protected String jobType	"Part time"	

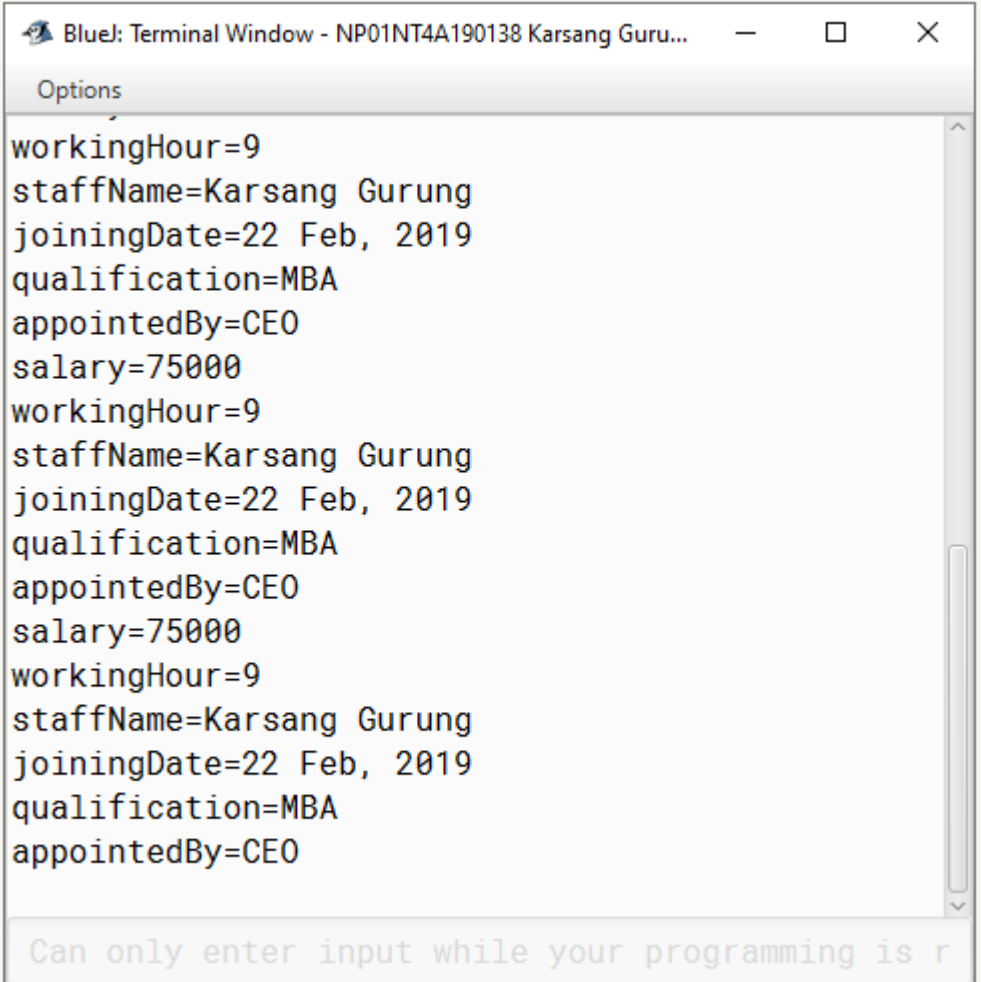
Show static fields Close

Figure 8: termination of parttimestaff



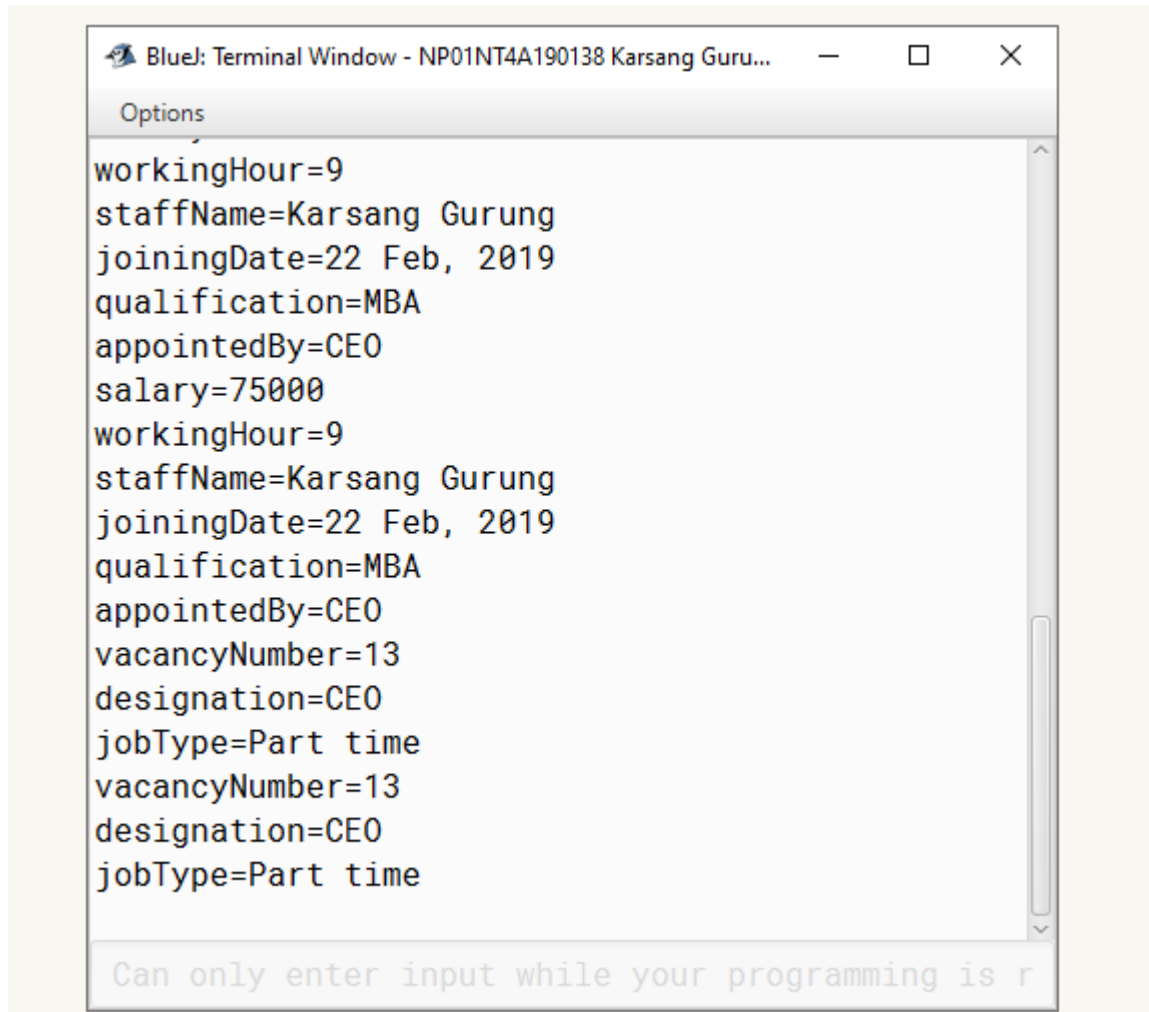
### 5.4 Test 4

Objective	To display the final result of FullTimeStaffHire and PartTimeStaffHire class after inspection
Action	Display the attributes of both FullTimeStaffHire class and PartTimeStaffHire class
Expected result	All the attributes should be displayed
Actual result	All the attributes were displayed



The screenshot shows a terminal window titled "BlueJ: Terminal Window - NP01NT4A190138 Karsang Guru...". The window contains a list of employee attributes for Karsang Gurung, repeated three times. The attributes are: workingHour=9, staffName=Karsang Gurung, joiningDate=22 Feb, 2019, qualification=MBA, appointedBy=CEO, and salary=75000. At the bottom of the terminal, there is a message: "Can only enter input while your programming is r".

```
Options
workingHour=9
staffName=Karsang Gurung
joiningDate=22 Feb, 2019
qualification=MBA
appointedBy=CEO
salary=75000
workingHour=9
staffName=Karsang Gurung
joiningDate=22 Feb, 2019
qualification=MBA
appointedBy=CEO
salary=75000
workingHour=9
staffName=Karsang Gurung
joiningDate=22 Feb, 2019
qualification=MBA
appointedBy=CEO
Can only enter input while your programming is r
```



The image shows a screenshot of a BlueJ Terminal Window. The title bar reads "BlueJ: Terminal Window - NP01NT4A190138 Karsang Guru...". Below the title bar is a tab labeled "Options". The main area of the window displays the output of a Java program, which consists of two identical blocks of text. Each block contains the following information: workingHour=9, staffName=Karsang Gurung, joiningDate=22 Feb, 2019, qualification=MBA, appointedBy=CEO, salary=75000, workingHour=9, staffName=Karsang Gurung, joiningDate=22 Feb, 2019, qualification=MBA, appointedBy=CEO, vacancyNumber=13, designation=CEO, jobType=Part time, vacancyNumber=13, designation=CEO, and jobType=Part time. At the bottom of the window, there is a message that says "Can only enter input while your programming is r".

```
workingHour=9
staffName=Karsang Gurung
joiningDate=22 Feb, 2019
qualification=MBA
appointedBy=CEO
salary=75000
workingHour=9
staffName=Karsang Gurung
joiningDate=22 Feb, 2019
qualification=MBA
appointedBy=CEO
vacancyNumber=13
designation=CEO
jobType=Part time
vacancyNumber=13
designation=CEO
jobType=Part time

Can only enter input while your programming is r
```

## 6. Error Handling

BlueJ: Create Object

**StaffHire(int VacancyNumber, String Designation, String JobTye)**

Name of Instance:

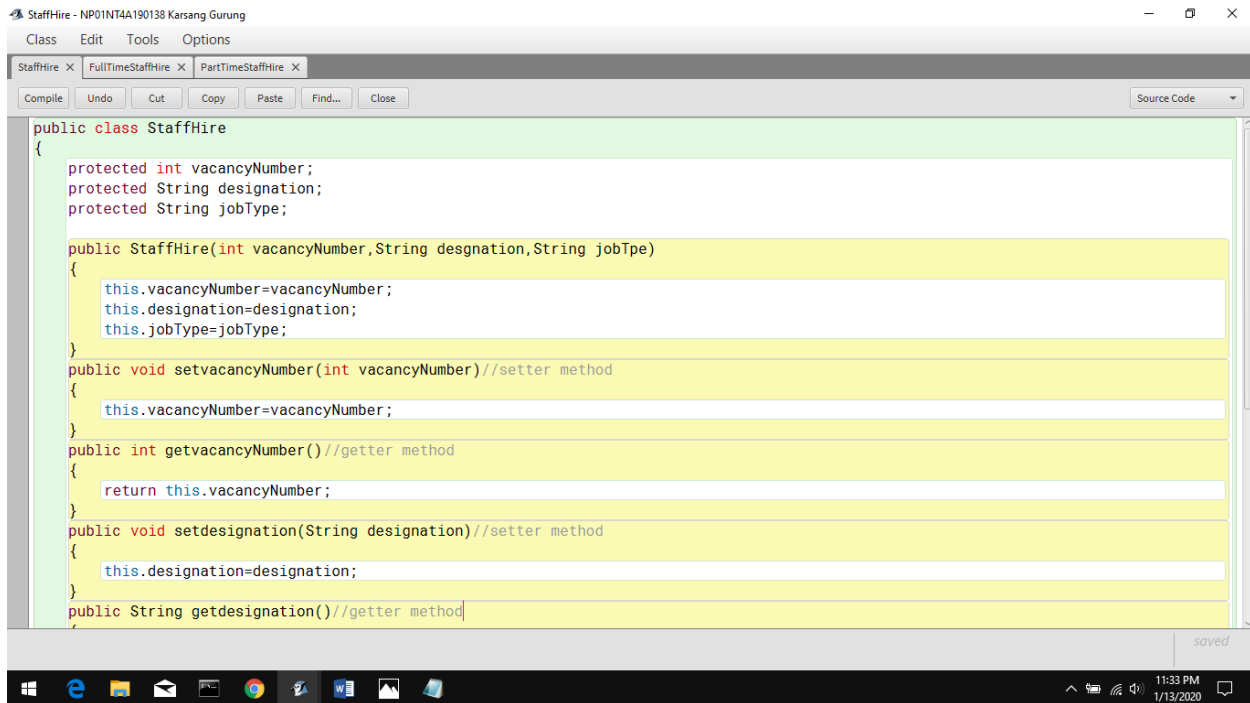
new StaffHire(  ,  
                   ,  
                   )

Error: \';' expected

OK Cancel

Error: passing value without double quotation

Solution: String was written in double quotation



```

public class StaffHire
{
    protected int vacancyNumber;
    protected String designation;
    protected String jobType;

    public StaffHire(int vacancyNumber,String designation,String jobType)
    {
        this.vacancyNumber=vacancyNumber;
        this.designation=designation;
        this.jobType=jobType;
    }

    public void setvacancyNumber(int vacancyNumber)//setter method
    {
        this.vacancyNumber=vacancyNumber;
    }

    public int getvacancyNumber()//getter method
    {
        return this.vacancyNumber;
    }

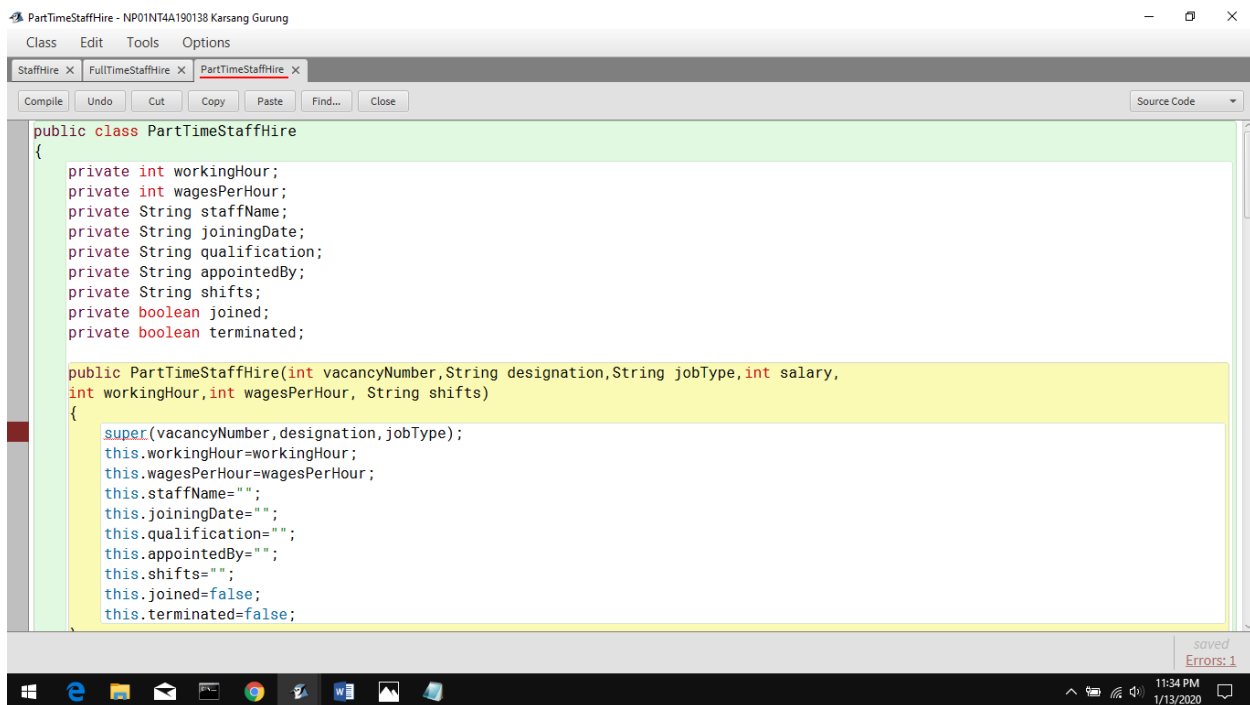
    public void setdesignation(String designation)//setter method
    {
        this.designation=designation;
    }

    public String getdesignation()//getter method
    {
        return this.designation;
    }
}

```

Error: spelling of designation and jobType was mistake so the values was shown null while inspection

Solution: spelling was corrected



```

public class PartTimeStaffHire
{
    private int workingHour;
    private int wagesPerHour;
    private String staffName;
    private String joiningDate;
    private String qualification;
    private String appointedBy;
    private String shifts;
    private boolean joined;
    private boolean terminated;

    public PartTimeStaffHire(int vacancyNumber,String designation,String jobType,int salary,
    int workingHour,int wagesPerHour, String shifts)
    {
        super(vacancyNumber, designation, jobType);
        this.workingHour=workingHour;
        this.wagesPerHour=wagesPerHour;
        this.staffName="";
        this.joiningDate="";
        this.qualification="";
        this.appointedBy="";
        this.shifts="";
        this.joined=false;
        this.terminated=false;
    }
}

```

Error: 'extends' not written while creating subclass

Solution: 'extends' written

## **7. Conclusion**

This assignment had been very challenging one but helpful too. It has been useful for us to learn more about methods, class, super class, pseudocode and many terms related to java programming language and also it has helped to broaden our knowledge in java. This has also helped us to hon our research skills.

## 8. Appendix

```
public class StaffHire
{
    protected int vacancyNumber;
    protected String designation;
    protected String jobType;

    public StaffHire(int vacancyNumber,String designation,String jobType)
    {
        this.vacancyNumber=vacancyNumber;
        this.designation=designation;
        this.jobType=jobType;
    }
    public void setvacancyNumber(int vacancyNumber)//setter method
    {
        this.vacancyNumber=vacancyNumber;
    }
    public int getvacancyNumber()//getter method
    {
        return this.vacancyNumber;
    }
    public void setdesignation(String designation)//setter method
    {
        this.designation=designation;
    }
    public String getdesignation()//getter method
    {
        return this.designation;
    }
    public void setjobType(String jobType)//setter method
    {
        this.jobType=jobType;
    }
    public String getjobType()//getter method
    {
        return this.jobType;
    }
    public void display()
    {
        System.out.println("vacancyNumber="+getvacancyNumber());
        System.out.println("designation="+getdesignation());
        System.out.println("jobType="+getjobType());
    }
}
```

```
public class FullTimeStaffHire extends StaffHire
{
    protected int salary;
    protected int workingHour;
    protected String staffName;
    protected String joiningDate;
    protected String qualification;
    protected String appointedBy;
    protected boolean joined;

    public FullTimeStaffHire(int vacancyNumber, String designation, String jobType, int
salary, int workingHour)
    {
        super(vacancyNumber,designation,jobType);//calling superclass constructor
        this.salary=salary;
        this.workingHour=workingHour;//giving value to the empty string
        this.staffName="";
        this.joiningDate="";
        this.qualification="";
        this.appointedBy="";
        this.joined=true;
    }

    public void setSalary(int Salary)//setter method
    {
        this.salary=salary;
    }
    public int getSalary()//getter method
    {
        return this.salary;
    }
    public void setworkingHour(int workingHour)//setter method
    {
        this.workingHour=workingHour;
    }
    public int getworkingHour()//getter method
    {
        return this.workingHour;
    }
    public void setstaffName(String staffName)//setter method
    {
        this.staffName=staffName;
    }
    public String getstaffName()//getter method
    {
        return this.staffName;
    }
}
```

```
}
public void setjoiningDate(String joiningDate)//setter method
{
    this.joiningDate=joiningDate;
}
public String getjoiningDate()//getter method
{
    return this.joiningDate;
}
public void setqualification(String qualification)//setter method
{
    this.qualification=qualification;
}
public String getqualification()//getter method
{
    return this.qualification;
}
public void setappointedBy(String appointedBy)//setter method
{
    this.appointedBy=appointedBy;
}
public String getappointedBy()//getter method
{
    return this.appointedBy;
}
public void setjoined(boolean joined)//setter method
{
    this.joined=joined;
}
public boolean getjoined()//getter
{
    return this.joined;
}
public void checkjoined(int salary)
{
    if(joined)
    {
        System.out.println("It is not possible to change the salary");
    }
    else
    {
        this.salary=salary;
    }
}
public void workingHour(int workingHour)
{
```



```
        this.workingHour=workingHour;
    }
    public void display()
    {
        System.out.println("salary="+salary);
        System.out.println("workingHour="+workingHour);
        System.out.println("staffName="+staffName);
        System.out.println("joiningDate="+joiningDate);
        System.out.println("qualification="+qualification);
        System.out.println("appointedBy="+appointedBy);
    }
}
```

```
public class PartTimeStaffHire extends StaffHire
{
    private int workingHour;
    private int wagesPerHour;
    private String staffName;
    private String joiningDate;
    private String qualification;
    private String appointedBy;
    private String shifts;
    private boolean joined;
    private boolean terminated;

    public PartTimeStaffHire(int vacancyNumber,String designation,String jobType,int
salary,
    int workingHour,int wagesPerHour, String shifts)
    {
        super(vacancyNumber,designation,jobType);
        this.workingHour=workingHour;
        this.wagesPerHour=wagesPerHour;
        this.staffName="";
        this.joiningDate="";
        this.qualification="";
        this.appointedBy="";
        this.shifts="";
        this.joined=false;
        this.terminated=false;
    }
    public void setworkingHour(int workingHour)//setter method
    {
        this.workingHour=workingHour;
    }
    public int getworkingHour()//getter Method
    {
        return this.workingHour=workingHour;
    }
    public void setwagesPerHour(int wagesPerHour)//setter method
    {
        this.wagesPerHour=wagesPerHour;
    }
    public int getwagesPerHour()//getter method
    {
        return this.wagesPerHour=wagesPerHour;
    }
    public void setstaffName(String staffName)//setter method
    {
        this.staffName=staffName;
```

```
}  
public String getstaffName()//getter method  
{  
    return this.staffName=staffName;  
}  
public void setjoiningDate(String joiningDate)//setter method  
{  
    this.joiningDate=joiningDate;  
}  
public String getjoiningDate()//getter method  
{  
    return this.joiningDate=joiningDate;  
}  
public void setqualification(String qualification)//setter method  
{  
    this.qualification=qualification;  
}  
public String getqualification()//getter method  
{  
    return this.qualification=qualification;  
}  
public void setappointedBy(String appointedBy)//setter method  
{  
    this.appointedBy=appointedBy;  
}  
public String getappointedBy()//getter method  
{  
    return this.appointedBy;  
}  
public void setshifts(String shifts)//setter method  
{  
    this.shifts=shifts;  
}  
public String getshifts()//getter method  
{  
    return this.shifts=shifts;  
}  
public void setjoined(boolean joined)//setter method  
{  
    this.joined=joined;  
}  
public boolean getjoined()//getter method  
{  
    return this.joined;  
}  
public void setterminated(boolean terminated)//setter method
```

```
{
    this.terminated=terminated;
}
public boolean getterminated()//getter method
{
    return this.terminated;
}
public void checkworkingShifts(String shifts)
{
    if (joined)
    {
        //nothing to be printed
    }
    else
        this.shifts=shifts;
}
public void PartTimeStaffHire(String staffName, String joiningDate,String
qualification,String appointedBy)
{
    if(joined)
    {
        System.out.println("The staff has already joined.");
        System.out.println("The staff name is"+staffName);
        System.out.println("The joining date is"+joiningDate);
    }
    else
        this.staffName=staffName;
        this.joiningDate=joiningDate;
        this.qualification=qualification;
        this.appointedBy=appointedBy;
        this.joined=true;
        this.terminated=false;
}
public void termination()
{
    if(terminated)
    {
        System.out.println("The staff is already terminated");
    }
    else
        this.staffName="";
        this.joiningDate="";
        this.qualification="";
        this.appointedBy="";
        this.joined=false;
        this.terminated=true;
```

}  
}