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package classes;

import java.sql.Time;
import java.util.Date;

public class Faculty extends Employee {

    public Faculty(
        String name,
        String address,
        String phone_number,
        String email_address,
        String office,
        int salary,
        Date date_hired,
        Time office_hours,
        int rank
    ) {

        super(name, address, phone_number, email_address, office, salary, date_hired);
        this.office_hours = office_hours;
        this.rank = rank;
    }

    @Override
    public void display() {

        System.out.println("Employee");
        System.out.println("Name: " + this.name);
        System.out.println("Address: " + this.address);
        System.out.println("Phone: " + this.phone_number);
        System.out.println("Email: " + this.email_address);
        System.out.println("Office: " + this.office);
        System.out.println("Salary: " + this.salary);
        System.out.println("Date hired: " + this.date_hired);
        System.out.println("Office hour: " + this.office_hours);
        System.out.println("Rank: " + this.rank);
    }

    @Override
    public String toString() {

        return super.toString() + " Faculty{" +
            "office_hour=" + this.office_hours + ", " +
            "rank=" + this.rank + "}";
    }

    protected Time office_hours;
    protected int rank;

    public Time getOfficeHours() {

        return office_hours;
    }
}

```

