

Міністерство освіти, науки, молоді та спорту України
Національний університет «Львівська політехніка»

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Лабораторна робота №10

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```

import java.io.Serializable;
import java.util.*;
class Name implements Serializable{
    public String name;
    Name(String name){
        this.name = name;
    }
    public void setName(String name){
        this.name = name;
    }
    public String getName(){
        return name;
    }
}
class Address implements Serializable{
    public String address;
    Address(String address){
        this.address = address;
    }
    public void setAddress(String address){
        this.address = address;
    }
    public String getAddress(){
        return address;
    }
}
class Number implements Serializable{
    public ArrayList<Integer> numbers;
    Number(int number){
        this.numbers = new ArrayList<>();
        numbers.add(number);
    }
    public void addNumbers(int newNumber){
        numbers.add(newNumber);
    }
    public ArrayList getNumbers(){
        return numbers;
    }
    @Override
    public String toString(){
        return numbers.toString();
    }
}
class Specialization implements Serializable{
    public String specialization;
    Specialization(String specialization){
        this.specialization = specialization;
    }
    public void setSpecialization(String specialization){
        this.specialization = specialization;
    }
    public String getSpecialization(){
        return specialization;
    }
}
class Schedule implements Serializable{
    public HashMap<String,String> schedule;
    Schedule(String day, String time){
        this.schedule = new HashMap<>();
        schedule.put(day,time);
    }
    public void addNewWorkingDay(String day, String time){
        schedule.put(day,time);
    }
}

```

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    public void setSchedule(String day, String time){
        schedule.replace(day,time);
    }
    public void ShowSchedule(){
        for(Map.Entry<String, String> x : schedule.entrySet()){
            System.out.println(x.getKey() + " " + x.getValue());
        }
    }
    public HashMap<String, String> getSchedule() {
        return schedule;
    }
    @Override
    public String toString(){
        return schedule.toString();
    }
}

class TradePoint implements Serializable {
    Name name;
    Address address;
    Specialization specialization;
    Number number;
    Schedule schedule;
    public TradePoint( String name1, String address1, int number1, String
specialization1, String day, String time){
        this.name = new Name(name1);
        this.address = new Address(address1);
        this.specialization = new Specialization(specialization1);
        this.number = new Number(number1);
        this.schedule = new Schedule(day,time);
    }

    public String ShowAllData(){
        String str = name.getName() + " " + address.getAddress() + " " +
specialization.getSpecialization() + " " + number + " " + schedule;
        return str;
    }
    @Override
    public String toString(){
        return ShowAllData();
    }
}

public class Main {
    public static void main(String args[]) {
        TradePoint tradePoint = new TradePoint( "Name", "Address",123,
"Programmer", "Monday", "20:00");
        TradePoint secondPoint = new TradePoint( "Andrew",
"MainStreet",880553535, "Trader", "Sunday", "18:00");
        System.out.println(tradePoint);
        System.out.println(secondPoint);
    }
}

```