

**МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
НАЦІОНАЛЬНОМУ УНІВЕРСИТЕТІ “ЛЬВІВСЬКА ПОЛІТЕХНІКА”**

Кафедра систем штучного інтелекту

Лабораторна робота №10
з дисципліни
«Об’єктно-орієнтоване програмування»

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Код програми:

1)

```
import java.io.*;
public class Career implements Serializable{
    public String Date;      public String
    Viddil;
        public String Position;

        public void setDate(String Date) {
this.Date = Date;
        }

        public String getDate() {
            return Date;
        }

        public void setViddil(String Viddil) {
this.Viddil = Viddil;
        }

        public String getViddil() {
            return Viddil;
        }

        public void setPosition(String Position) {
            this.Position = Position;
        }

        public String getPosition() {
return Position;
        }
}
```

2)

```
import java.io.*;
public class Characteristics implements Serializable{
    private String Ability;
    private int Point;

    public void setAbility(String Ability) {
        this.Ability = Ability;
    }

    public String getAbility() {
        return Ability;
    }

    public void setPoint(int Point) {
this.Point = Point;
    }

    public int getPoint() {
return Point;
    }
}
```

```
}
```

```
}
```

3)

```
import java.io.*;

public class Execution {
    public static void main(String[] args) throws Exception {
        SerializeClass worker = new SerializeClass();
        worker.setEducation("Lviv Politecnic");
        worker.setPassport("MyPassport");          worker.setPrice(10000);
        worker.career.setDate("14.05.2018");
        worker.career.setPosition("CEO");
        worker.career.setViddil("Microsoft Corporation");
        worker.characteristics.setAbility("DataBase and Java Working");
        worker.characteristics.setPoint(10);
        System.out.println(worker.getEducation());
        System.out.println(worker.getPassport());
        System.out.println(worker.getPrice());
        System.out.println(worker.career.getDate());
        System.out.println(worker.career.getPosition());
        System.out.println(worker.career.getViddil());
        System.out.println(worker.characteristics.getAbility());
        System.out.println(worker.characteristics.getPoint());

        FileOutputStream fileoutputstream = new FileOutputStream("Saved.txt");
        ObjectOutputStream objectoutputstream = new
ObjectOutputStream(fileoutputstream);
        objectoutputstream.writeObject(worker);
        objectoutputstream.close();

        FileInputStream fileinputstream = new FileInputStream("Saved.txt");
        ObjectInputStream objectinputstream = new
ObjectInputStream(fileinputstream);
        SerializeClass newWorker = (SerializeClass)
objectinputstream.readObject();
        objectinputstream.close();

        System.out.println(newWorker.getEducation());
        System.out.println(newWorker.getPassport());
        System.out.println(newWorker.getPrice());
        System.out.println(newWorker.career.getDate());
        System.out.println(newWorker.career.getPosition());
        System.out.println(newWorker.career.getViddil());
        System.out.println(newWorker.characteristics.getAbility());
        System.out.println(newWorker.characteristics.getPoint());

    }
}
```

```
}
```

4)

```
import java.io.*;

public class SerializeClass implements Serializable{
    private String Passport;
    private String Education;
    private double Price;

    Career career = new Career();
    Characteristics characteristics = new Characteristics();

    public void setPassport(String Passport) {
        this.Passport = Passport;
    }

    public String getPassport() {
return Passport;
    }

    public void setEducation(String Education) {
this.Education = Education;
    }

    public String getEducation() {
return Education;
    }

    public void setPrice(double Price) {
this.Price = Price;
    }

    public double getPrice() {
        return Price;
    }
}
```

Результат роботи програми:

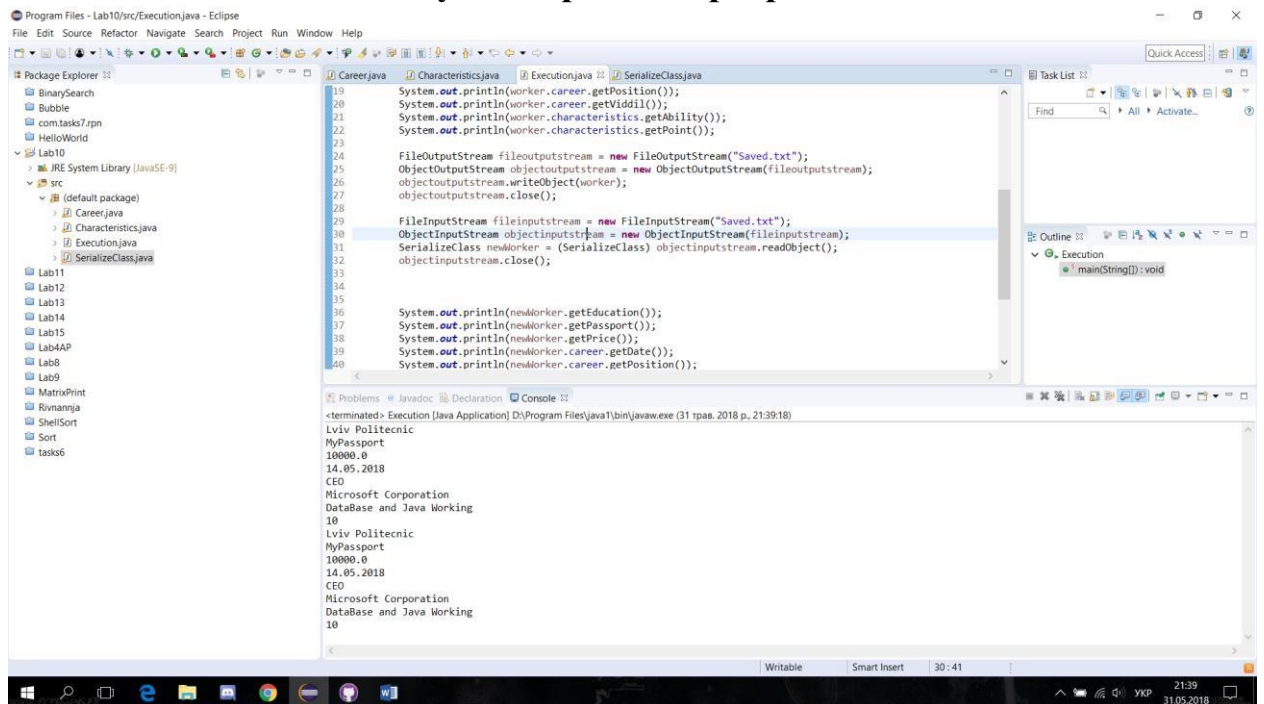


Рис.1 Результат роботи програми