

*//nacist text soubor kde jsou uvedeni ucastnici + telefon*  
*//format text souboru si zvolte sami*  
*//vytvorit grafickou aplikaci s radkou textField a knoflikem Submint*  
*//1. texfield = napsat jmeno*  
*//2. na Submint se objevi prislusny telefon*  
*//moje - text soubor "data.csv" - oddeleno strednikem*  
*//moje - polozky v souboru napr. - Svoboda; 37 a Novak; 35*

*//verze zpracovani do objektu tridy List*

---

```
package test1_list;
```

```
public class Main {
```

```
//nacteni dat
```

```
    static List nacistData(String jmSouboru) throws FileNotFoundException, IOException {  
        FileReader dataF = new FileReader(jmSouboru);  
        BufferedReader dataB = new BufferedReader(dataF);
```

```
        ArrayList seznam = new ArrayList();
```

```
        for (String radek = dataB.readLine(); radek != null; radek = dataB.readLine()) {  
            String[] poleStrings = radek.split(";");  
            Ucastnik uc = new Ucastnik(poleStrings[0], poleStrings[1]);  
            seznam.add(uc);  
        } //for
```

```
        return seznam;  
    } //nacistData
```

```
    public static void main(String[] args) throws FileNotFoundException, IOException {  
        List mySeznam = nacistData("data.csv");  
        new MyFrame(mySeznam);  
    }  
}
```

---

```
package test1_list;
```

```
public class Ucastnik {
```

```
    String name;  
    String phone;
```

```
    public Ucastnik(String n, String p) {  
        this.name = n;  
        this.phone = p;  
    }  
}
```

---

```
//vytvoreni grafickeho okna
```

```
package test1_list;
```

```
public class MyFrame extends JFrame {
```

```
    public MyFrame(List seznam) throws HeadlessException {  
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE); //ukoncení "run"  
        setSize(600, 500); //velikost okna
```

```
        JTextField tf = new JTextField(); //vytvoreni pracovniho radku v okne
```

```
        add(new JButton(new MyAction(tf, seznam)), BorderLayout.SOUTH); //tlacitko Submint  
        setLocation(100, 100); //pozice na obrazovce  
        add(tf, BorderLayout.NORTH);  
        setVisible(true);  
    }
```

```
}
```

---

```
package test1_list;
```

```
public class MyAction extends AbstractAction {
```

```
    JTextField x;
```

```
    List seznam;
```

```
    static Ucastnik uc(List seznam, String name) {  
        for (Iterator i = seznam.iterator(); i.hasNext();) {  
            Ucastnik uc = (Ucastnik) i.next();  
            if (uc.name.equals(name)) {  
                return uc;  
            }  
        }  
        return null;  
    }
```

```
    public void actionPerformed(ActionEvent e) {
```

```
        //precist z tf name
```

```
        String name = x.getText();
```

```
        Ucastnik ucastnik = uc(seznam, name);
```

```
        if (ucastnik == null) {  
            x.setText("Neni v databazi.");
```

```
        }  
    }
```

```
    else {
```

```
        x.setText(ucastnik.phone);
```

```
    }  
}
```

```
    }
```

```
    public MyAction(JTextField p, List s) {
```

```
        super("Stiskni");
```

```
        this.x = p;
```

```
        this.seznam = s;
```

```
    }
```

```
}
```