

# **Adatbázis rendszerek I.**

## **BSc**

**2. Gyak.**  
2022. 09.20.

**Készítette:**

Barta Balázs BSc  
Programtervező Informatikus  
S90NXX

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## 1.Feladat –

```
public class HDFileOlvas
{
    public static int intOlvas(FileReader bs) throws IOException
    {
        StringBuffer sz = new StringBuffer(12);
        int b;
        do {
            b = bs.read();
            if ((char)b != ',')
                sz.append((char)b);
            else
                break;
        }while(true);
        return Integer.parseInt(sz.toString());
    }

    public static void main(String[] args) throws IOException
    {
        int db;
        File fajl = new File("honti.txt");
        FileReader be_stream = new FileReader(fajl);

        db = intOlvas(be_stream);
        System.out.println("Adatok szama: " + db);

        int[] x = new int[db];
        for (int i = 0; i < db; i++) {
            x[i] = intOlvas(be_stream);
            System.out.println(i + ".adat = " + x[i]);
        }
        be_stream.close();

        int osszeg = 0;
        for (int i = 0; i < db; i++) {
            osszeg = osszeg + x[i];
        }
        System.out.println("Osszeg: " + osszeg);
    }
}
```

## 2.Feladat –

```
public class HDFFileIr {  
    public static void main(String[] args) throws IOException{  
  
        Scanner sc = new Scanner(System.in);  
  
        System.out.print("Adatok szama = ");  
        int db = sc.nextInt();  
        int[] x = new int[db];  
  
        for (int i = 0; i < db; i++) {  
            System.out.print(i + ". adat = ");  
            x[i] = sc.nextInt();  
        }  
  
        File fajl = new File("honti.txt");  
        FileWriter ki_stream = new FileWriter("honti.txt");  
  
        for(int i = 0; i < db; i++) {  
            ki_stream.write(x[i] + "\n");  
        }  
  
        ki_stream.close();  
    }  
}
```

### 3.Feladat –

```
public class HR6121_23 {

    public static void main(String[] args) {

        String sor;
        String[] szavak;
        String filenev = null;
        int sorid = 0;

        try {
            BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
            BufferedWriter bw = null;
            while ( sorid >= 0) {
                sor = br.readLine();
                if (sorid == 0) {
                    bw = new BufferedWriter(new FileWriter(sor + ".txt"));
                    filenev = (sor + ".txt");
                }
                else {
                    bw.write(sor);
                    bw.newLine();
                }
                sorid = sorid + 1;
                szavak = sor.split(" ");
                for (String sz : szavak){
                    System.out.println(sz+":");
                    if (sz.compareTo("end") == 0 ) {
                        br.close();
                        sorid = -1;
                    }
                }
            }
            bw.close();
            System.out.println("Ok");
        } catch (Exception ee){
            ee.printStackTrace();
        }
    }
}
```

## 4.Feladat

```
public class HR6121_24 {  
    public static void main(String[] args) {  
  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Add meg a fajl nevet: ");  
        String filenev = sc.nextLine();  
        feladat2(filenev);  
    }  
  
    public static void feladat2(String fnev) {  
        String sor;  
        String[] szavak;  
        int sorid = 0;  
        try {  
            BufferedReader br = new BufferedReader(new FileReader(fnev));  
            while ( (sor = br.readLine()) != null) {  
                System.out.println(sor.toUpperCase());  
            }  
            br.close();  
            System.out.println("Ok");  
        }  
        catch (Exception ee){  
            ee.printStackTrace();  
        }  
    }  
}
```

## 5.Feladat

```
public class HR6121_25 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        System.out.println("Add meg a forras fajl nevet: ");
        String forras = sc.nextLine();
        System.out.println("Add meg a masolo fajl nevet:");
        String masol = sc.nextLine();
        feladat3(forras,masol);

    }

    public static void feladat3 (String fnevbe, String fnevki) {
        String sor;
        String[] szavak;
        String[] k1 = { "1", "2", "3", "4", "5", "6", "7", "8", "9", "0" };
        String[] k2 = { " egy ", " kettő ", " három ", " négy ", " öt ", " hat ", " hét ",
        "nyolc ", "kilenc ", " nulla" };
        int sorid = 0 ;
        try {
            BufferedWriter bw = new BufferedWriter(new FileWriter(fnevki));
            BufferedReader br = new BufferedReader(new FileReader(fnevbe));
            while ( (sor = br.readLine()) != null) {
                for (int i=0; i<10; i++){
                    sor = sor.replace(k1[i],k2[i]);
                }
                bw.write(sor);
                bw.newLine();
            }
            br.close();
            bw.close();
            System.out.println("Ok");
        }
        catch (Exception ee){
            ee.printStackTrace();
        }
    }
}
```

## 6.Feladat

```
public class HR6121_26 {  
  
    public static void main(String[] args) {  
  
        System.out.println("hello");  
  
        String sor;  
        Auto[] autoim = {new Auto("R11", "Opel", 333), new Auto("R12", "Fiat", 233), new Auto("R14", "Skoda", 364)};  
        try {  
            ObjectOutputStream kifile = new ObjectOutputStream(new FileOutputStream("Autok.dat"));  
            for (Auto auto : autoim) {  
                kifile.writeObject(auto);  
            }  
            kifile.close();  
        } catch (Exception e) {  
            e.printStackTrace();  
            System.out.println("File nyitási hiba");  
        }  
        System.out.println("OK");  
  
    }  
}
```

## 7.Feladat

```
public class HR6121_27 {

    public static void main(String[] args) {
        String sor;
        Auto ma;
        try {
            File fn = new File("Autok.dat");
            if (fn.exists()) {
                ObjectInputStream kifile = new ObjectInputStream(
                    new FileInputStream ("Autok.dat")
                );
                try {
                    while (true) {
                        ma = (Auto) kifile.readObject();
                        if (ma.ar > 300) {
                            System.out.println("rendszám=" + ma.rsz);
                        }
                    }
                } catch (EOFException ee){
                    ma = null;
                }
                kifile.close();
            }
        } catch (Exception e) {
            e.printStackTrace();
            System.out.println ("File nyitási hiba");
        }
        System.out.println ("OK2");
    }
}
```