Adatbázis rendszerek I.

BSc

2. Gyak.

2022. 09.20.

Készítette:

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Programtervező Informatikus
HR6121

Miskolc, 2022

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 HDFileIr {
    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 nyitasi 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("rendszam=" + ma.rsz);
                            }
                        }
                    } catch (EOFException ee){
                        ma = null;
                    }
                    kifile.close();
                }
            } catch (Exception e) {
                e.printStackTrace();
                System.out.println ("File nyitasi hiba");
            }
        System.out.println ("OK2");
    }

}
```