

```
public class Cat{
    private int _age;
    private double _weight;
    private String _name;

    public Cat(int age, double weight, String name)
    {
        _age = age;
        _weight = weight;
        _name = name;
    }

    public int getAge() { return _age; }

    public double getWeight() { return _weight; }

    public String getName() { return _name; }

}
```

```
import java.io.Serializable;

public class CatSerial implements Serializable{
    private int _age;
    private double _weight;
    private String _name;

    public CatSerial(int age, double weight, String name)
    {
        _age = age;
        _weight = weight;
        _name = name;
    }

    public int getAge() { return _age; }

    public double getWeight() { return _weight; }

    public String getName() { return _name; }

}
```

```

import java.io.*;

public class ReadMainCat {

    public static void main(String[] args) throws IOException ,
    EOFException, UTFDataFormatException {

        try{

            Cat cat = new Cat(9, 4.5, "Garfield");

            DataOutputStream _catDataOutput = new DataOutputStream(new
            BufferedOutputStream( new FileOutputStream("raw.dat")));

            _catDataOutput.writeInt(cat.getAge());
            _catDataOutput.writeDouble(cat.getWeight());
            _catDataOutput.writeUTF(cat.getName());

            _catDataOutput.close();

        }
        catch(EOFException e) {
            System.out.println("EOFException");
        }
        catch(UTFDataFormatException e) {
            System.out.println("UTFDataFormatException");
        }
        catch(IOException e) {
            System.out.println("IOException");
        }
        }

        try {

            DataInputStream _catDataInput = new DataInputStream(new
            BufferedInputStream(new FileInputStream("raw.dat")));

            System.out.println(_catDataInput.readInt());
            System.out.println(_catDataInput.readDouble());
            System.out.println(_catDataInput.readUTF());

            _catDataInput.close();

        }
        catch(EOFException e) {
            System.out.println("EOFException");
        }
        catch(UTFDataFormatException e) {
            System.out.println("UTFDataFormatException");
        }
        catch(IOException e) {
            System.out.println("IOException");
        }
        }

    }
}

```

```

import java.io.*;

public class ReadSerialCat{

    public static void main(String[] args) throws
InvalidClassException, NotSerializableException, IOException,
ClassNotFoundException, StreamCorruptedException,
OptionalDataException
    {
        try{

            CatSerial cat = new CatSerial(1, 0.5, "Garfield");

            ObjectOutputStream savedCat = new ObjectOutputStream(
new BufferedOutputStream(new FileOutputStream("cat.dat")));

            savedCat.writeObject(cat);

            savedCat.close();

        } catch (InvalidClassException e){
            System.out.println("InvalidClassException");
        } catch (NotSerializableException e){
            System.out.println("NotSerializableException");
        } catch (IOException e){
            System.out.println("IOException");
        }

        try {

            ObjectInputStream object = new ObjectInputStream( new
BufferedInputStream(new FileInputStream("cat.dat")));

            CatSerial cat = (CatSerial) object.readObject();

            System.out.println(cat.getAge());
            System.out.println(cat.getWeight());
            System.out.println(cat.getName());

            object.close();
        } catch ( ClassNotFoundException e){
            System.out.println("ClassNotFoundException");
        } catch (StreamCorruptedException e){
            System.out.println("StreamCorruptedException");
        } catch (OptionalDataException e){
            System.out.println("OptionalDataException");
        }
    }
}

```

```

import java.io.IOException;
import java.io.BufferedReader;
import java.io.FileReader;

public class Reader{

    public static void main(String[] args) throws IOException {

        try {

            BufferedReader in = new BufferedReader(new
FileReader(args[0]));

            String string, file, maxString = new String();
            file = "";

            int sizeOfString = 0;

            while((string = in.readLine()) != null)
            {
                int a = string.length(); // is this more
efficient?

                if (a > sizeOfString)
                {
                    sizeOfString = a;
                    maxString = string;
                }
                file += string + "\n";
            }

            System.out.format("maximum string: %s\nsize: %d\n",
maxString, sizeOfString);
            System.out.println(file);

            in.close();
        } catch (IOException e){
            System.out.println("File doesn't exist.");
        }
    }
}

```