

```

public class Change {
    public Object change(Object obj, Operation op) {
        if (op.objectIsChangeable(obj)) {
            saveUndo(obj);
            try (FileWriter fw = new FileWriter("log.txt", true)) {
                fw.write("Changing: " + obj);
            } catch (IOException e) {
                e.printStackTrace();
            }
            return op.apply(obj);
        } else {
            try (FileWriter fw = new FileWriter("log.txt", true)) {
                fw.write("Not changeable: " + obj);
            } catch (IOException e) {
                e.printStackTrace();
            }
        }
        return obj;
    }

    private void saveUndo(Object obj) {
        try (FileWriter fw = new FileWriter("log.txt", true)) {
            try (ObjectOutputStream oos = new ObjectOutputStream(new
                FileOutputStream("backup"))) {
                oos.writeObject(obj);
            }
            fw.write("Saved backup");
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}

```