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package l02Assessment.quiz5;
import java.io.File;
import java.util.ArrayList;
import java.util.Formatter;
import java.util.Scanner;

public class Q1 {
    private static ArrayList<Long> quiz3(String infilename, String outfilename) {
        Scanner in=null;
        Formatter out=null;
        ArrayList<Long> r=null;
        try {
            in = new Scanner(new File(infilename));
            out = new Formatter(new File(outfilename));
            r = new ArrayList<Long>();
            while(in.hasNext()) {
                String line = in.nextLine();
                String[] data = line.split(",");
                if(data[1].equalsIgnoreCase("Engineering")) {
                    out.format("%s\n", line);
                    int chs = Integer.parseInt(data[3]);
                    double cgpa = Double.parseDouble(data[4]);
                    if(cgpa>3.6 && chs>79) {
                        r.add(Long.parseLong(data[0]));
                    }
                }
            }
        }
        catch(Exception e) {
            System.out.println(e);
        }
        finally {
            if(in!=null && out!=null) {
                in.close();
                out.close();
            }
            return r;
        }
    }

    public static void main(String[] args) {
        ArrayList<Long> r = quiz3("stdinfo.txt", "eng.txt");
    }
}
```