CMF	PS 251 (OOP)	QUIZ 5, SEC. L02	CSE-CENG-	QU, FALL 2023	
	I				
Name			QU	ID	
Quiz inst	tructions: Answer all question	ns.			
Q.1	[100 POINTS] [Students' aver	rage needed time to solve and revi	iew is 20 MINU	TES]	
ä	The file stdinfo.txt contains information about students' information, each o a separate line. A comma separates the data entries in a student's record having QUID, college, program, earned CHs, and CGPA out of 4.0.				
	201901263,Engineering	Computer Science,49,3.5			
	202107373,Arts and Sc	ience,Statistics,103,3.8			
	•				
1	to read the contents o records in the file en	'Q1.java" with a main meth of the file stdinfo.txt, s ng.txt, and returns a list than or equal to 3.6 and	ave only the of QUIDs of	Engineering Engineering	students students

```
package 102Assessment.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");
      }
}
```