| Name: | QUID: |
|---|---|

**Quiz instructions:** The quiz time is 20 minutes. Use proper indentation/alignment in your code, the line of the   answer sheets are formatted for this purpose.

**Q.1**   *[100 POINTS] [Students' average needed time to solve and review is 15 MINUTES]*

The file **stdinfo.txt** contains information about students' information, each on 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 Science,Statistics,103,3.8
.
.
```

Write a python program **with a main function that calls the function "quiz3"** to read the contents of the file **stdinfo.txt**, save only the *Engineering* students records in the file **eng.txt,** and returns a list of QUIDs of Engineering students who have CGPA greater than or equal to *3.6* and have earned more than *79* CHs.

You need to add needed Exceptional handling. Do not forget to close the files.

```python
def quiz3(filename='stdinfo.txt',outfile='eng.txt'):

    r=[]
    try:
        f=open(filename,'r')
        outf=open(outfile,'w')
        f.readline()
        for line in f:
            data=line.split(',')
            if data[1]=='Engineering':
                outf.write(line+'\n')
                if int(data[3])>79 and float(data[4])>=3.6:
                    r.append(data[0])
        return r
    except Exception as e:
        print(e)
    finally:
        f.close()
        outf.close()
def main():
    quiz3()
main()
```