

Write a Python program that reads two input files parsed as command-line arguments. The first file contains multiple lines of student records; the second file contains student names each on a separate line. **Your program should print the student name, department and year of study for each name in the second input file. If a student name is not found in the student records, your program should throw an exception and print an error message as stated below.** All outputs should both be printed to the console and to an output file parsed as the third command-line argument.

INPUT FORMAT

Sample input files:

`students.txt (sys.argv[1])`

```
Emre:Hacettepe:Bilgisayar:1
Kerem:Gazi:Mimarlik:4
Leyla:Ankara:Fizik:2
Sami:Bilkent:Felsefe:4
```

`namelist.txt (sys.argv[2])`

```
Defne
Emre
```

Each line in the first input file will contain a student record in which all data are separated by a colon ':' (not spaces!).

OUTPUT FORMAT

1. Your program should print the following sentence to the console before outputting the results:

Quiz 4-E: Exceptions

2. You should print the results both to the screen and to an output file parsed as the third command-line argument.
3. Example output for the given sample inputs:

`output.txt (sys.argv[3])`

```
This name is not found: Defne
Name: Emre Department: Bilgisayar Term: 1
```

SUBMISSION FORMAT

Zip your file before submitting (not .rar, only .zip files are supported by the system). File hierarchy:

- `<student id>.zip`
- `quiz4.py`