

Technical assignment

The purpose of this assignment is to review your experience in .NET (either 4.6 or dotnetcore) & C#. Even though the underlying task itself is very simple; we will be looking at the following when analysing your solution;

- Structure of your application
- Testability
- Reusability
- Readability
- Performance

In a nutshell, it needs to be “production quality”.

Supplied

Example file formatted with JSON on every row

e.g.

```
{ "id": 31, "first": "Jill", "last": "Scott", "age": 66 }
```

Note: It might or might not be a valid JSON structure.

Delivery

1. Please use github – send us the link once you have completed the brief.

Task

Please write a console application that outputs (no interaction needed):

- The user's full name for id=42
- All the users first names (comma separated) who are 23
- The number of genders per Age, displayed from youngest to oldest

e.g

Age : 17 Female: 2 Male: 3

Age : 18 Female: 6 Male: 3

Considerations

1. The data source may change.
2. The way source is fetched may change.
3. The number of records may change (performance).
4. The functionality may not always be consumed in a console app.

