



Programming Task

Overview

The goal of the assignment is to create a solution we can use to have a conversation about your software development skills. To this end we are looking for readable code and passing tests.

Please provide a solution that meets the deliverables stated below.

Time and effort

Our expectation is that this assignment should take roughly 2-4 hours. If you find yourself spending more time you may want to revisit your approach or ask for clarification.

The task

The task is to parse a log file containing HTTP requests and to report on its contents. For a given log file we want to know:

- The number of unique IP addresses
- The top 3 most visited URLs
- The top 3 most active IP addresses

Example Data

```
177.71.128.21 - - [10/Jul/2018:22:21:28 +0200] "GET /intranet-analytics/ HTTP/1.1" 200 3574
```

A log file with test data is available on the private Azenix repository that you were invited to.

Deliverables

- For this application, we ask that you use C#
- There are no restrictions on language features and you are free to use third-party libraries
- Please include tests that demonstrate your solution is working
- Commit your code to the private Azenix repository you were invited to.
- Please let the Azenix Talent Partner know once you've submitted.