In this exercise, you will write a distributed worker using a database table. The worker requests each URL inside the table and stores the resulting response code.

Make sure you can run several workers in parallel. Each URL may only be requested once.

Example table

|  |  |  |  |
| --- | --- | --- | --- |
| **id** | **url** | **status** | **http\_code** |
| 1 | https://proxify.io | DONE | 200 |
| 2 | https://reddit.com | NEW | null |

Column definition

|  |  |
| --- | --- |
| **Column** | **Description** |
| id | Stores an incrementing identifier for the job |
| url | Stores a common URL |
| status | Contains one of the values *NEW*, *PROCESSING*, *DONE* or *ERROR* |
| http\_code | Stores the resulting HTTP­code from the request. |

Definition of workflow

* Get next available job
* Call the URL for the job
* Store the returned status