



Dear candidate,

Thank you for your application for the *Software Engineer Intern* position at Kargo. We hope that you are thrilled as we are to move forward into the next step of your application process.

Before we proceed, we would like to take the opportunity to fully disclose that, by attempting this assessment, you **fully acknowledge and accept** that you will be able to commit up to a **40 hour** work week from **June 14th, 2021 to August 20st, 2021** at Kargo HQ, located at **826 Broadway, New York, NY 10003 or remotely in Eastern Daylight Time (EDT)**. If you are unable to commit to the timeframe, location or time zone mentioned above, we highly advise that you do not attempt this assessment and disregard this letter. We thank you for your cooperation.

Now that we got the legal bit out of the way, we will like you to complete the following to allow us to assess your hard and soft skills. Without further ado:

Question:

Convert an array of integers into an array of strings representing the phonetic equivalent of the integer.

For example:

Given an array: [3, 25, 209], print *"Three,TwoFive,TwoZeroNine"* into stdout.

Given an array: [10, 300, 5], print *"OneZero,ThreeZeroZero,Five"* into stdout.

Criteria:

1. Preferred Languages: JavaScript, Golang.
2. Create a new branch in your repository, and commit the solution into the feature branch.
3. Commit messages should be descriptive to reflect the changes as accurately as possible.
4. Have at least **2 commits** into your feature branch.
5. The final version of your solution must be on the **main** branch.
 - a. Please make sure that you have a "main" file (**main.go/main.js**) in the root directory of your project, and that when you run the file with the test input as arguments, it should print the result in the standard output (***please be sure to remove your debugging print statements before you submit, otherwise it could affect how your submission is graded***)
 - b. We will run your code in the following manner:

```
→ scripts node main.js 3 25 209
Three,TwoFive,TwoZeroNine
→ scripts node main.js 10 300 5
OneZero,ThreeZeroZero,Five

→ scripts go run main.go 3 25 209
Three,TwoFive,TwoZeroNine
→ scripts go run main.go 10 300 5
OneZero,ThreeZeroZero,Five
```

6. Upload your solution to GitHub, using the naming convention: **“kg_<github_username>_<year_of_graduation>”** as the name of your repository.
 - a. i.e: **github.com/user123/kg_user123_2021**

This assessment is valid until May 3rd, 2021 @ 6:00PM EDT. Once you have completed the above assessment, please submit your GitHub URL via the link provided in the email. Regardless of the result of this assessment, you will be contacted by Kargo, we ask that you be patient as we do our best to assess all applications in a timely manner.

Finally, we want to wish you all the best in this assessment, and we look forward to working with you this Summer.

Cheers,
Kargo Engineering