

# Skimm'fluencer API

A big part of our business is getting new eyeballs on our newsletter. One way we do this is by tracking how many subscribers you've referred to the Daily Skimm and sending you swag when you reach certain milestones.

**Please write an API service that has several endpoints and supports a few operations:**

```
subscribe <email>
```

Add a user and generate a referral code for them. A referral code can be any pseudo random string.

```
subscribe <email> with code <code>
```

Add a user who was referred by someone (a user can only be referred by one person)

```
get referral count for <email>
```

Print the number of referrals a user has

## Guidelines

1. You can use whatever language you like, preferably maybe Javascript, Ruby or Python.
2. No need to use a database to store the information, storing data in memory is fine; nothing needs to persist between runs.
3. You can use any external library you'd like as long as it does not directly implement the solution.
4. We're looking for well-structured code that accounts for reasonable edge cases.
5. This assignment is designed to take no more than 1-2 hours; it's okay not to finish. Be ready to discuss any parts you might not have wrapped up during your onsite.
6. Please email us a zip file with your solution and a README describing how to run your program.