**Coding Challenge Documentation For the users**

This Laravel application done using php7.2 and Laravel 7.30 Used the database Mysql .Coding has been done from an Ubuntu machine.

JWT token is used to authenticate all the API calls.

.env file contains the db related information -Database name:calculator\_restapi

database/migrations contains all the migration files. Php artisan:migrate will create the table structure .Composer update will bring all the vendor files into the application directory.

Following Rest API web service has been implemented

1.register

2. login

3 .add

4.subtract

5.multiply

6.squareroor

7.division

8.save

9.saveddata

10.clear

registration is done by passing name.email,password fields. Registered users can login by using login post api call. In the login we get jwt token this token is used in all other request as a bearer token.

Al the API are tested using the POST MAN API. What ever I tested with postman are attached in the below screen shot.

























