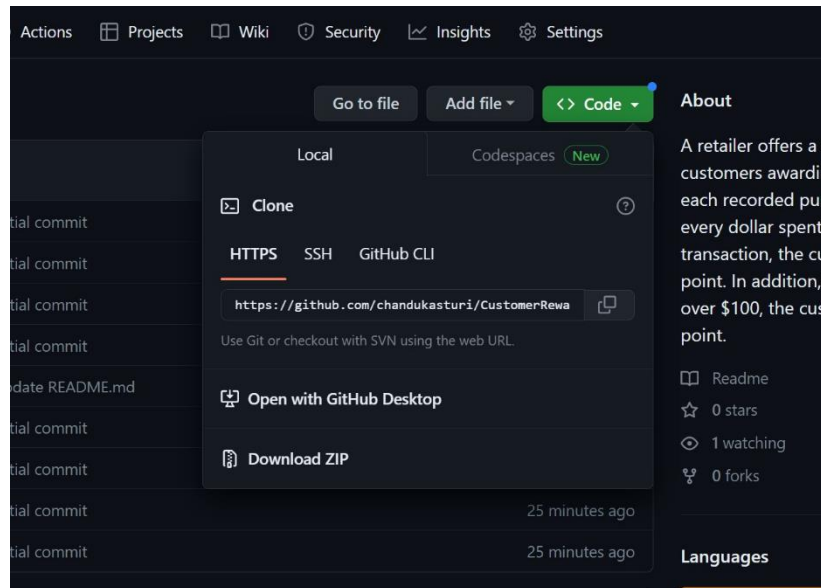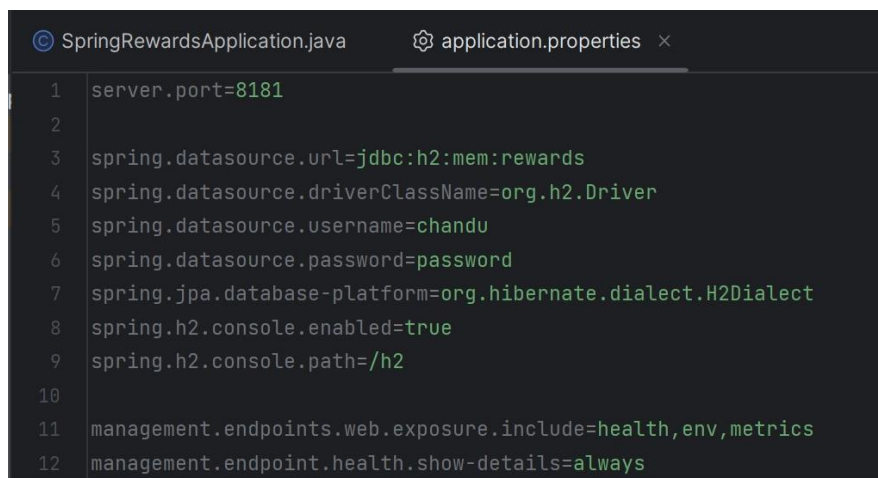**Instructions to Clone the package and run it locally.**

1. Click on the Code dropdown menu in the repository and download the zip file to your local machine.
2. Extract the zip file in your machine and open the project with text editor of your choice (IntelliJ is preferred).

3. The project is built with Gradle so make sure you have Gradle installed in your machine and load the scripts in your IDE to build the application.
4. Build the Gradle project in your local machine.
5. Set up the Project Run configuration using Java 17 SDK.
6. Check for the application.properties file in resources folder for H2 database credentials and the port the application is running on.

7. After verifying the port and H2 database credentials. Run the SpringRewardsApplicaiton.class with correct run configurations.
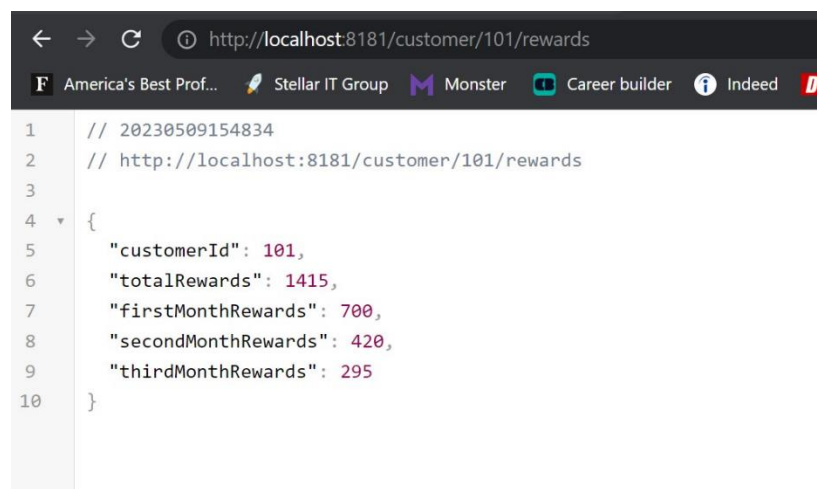8. The application runs on the url: http://localhost:8181/customer/{customerId}/rewards

9. The application has spring actuator enabled to let you monitor and interact with your application: http://localhost:8181/actuator

10. There is a health check (http://localhost:8181/actuator/health) for the H2 database connection which checks on a sample query. Because H2 is an in-memory database it will report the connection to be "DOWN" initially.

```
22              }
23            },
24  ▾       "h2DatabaseHealthCheck": {
25            "status": "DOWN",
26  ▾         "details": {
27               "message": "No customers found"
28            }
29          },
30  ▾       "ping": {
31            "status": "UP"
32          }
33        }
34    }
```

11. Run the data.sql script in the h2-console to generate the data (http://localhost:8181/h2)

12. The status for the "h2DatabaseHealthCheck" will change to "UP" and running.

```
22              }
23            },
24  ▾       "h2DatabaseHealthCheck": {
25            "status": "UP"
26          },
27  ▾       "ping": {
28            "status": "UP"
29          }
30        }
31    }
```

13. Depending on the data added in the H2 database query the REST endpoint using (http://localhost:8181/customer/{customerId}/rewards)

```
←  →  C    ⓘ http://localhost:8181/customer/101/rewards

F America's Best Prof...   Stellar IT Group   M Monster   Career builder   ⓘ Indeed   D

1     // 20230509154834
2     // http://localhost:8181/customer/101/rewards
3
4  ▾  {
5        "customerId": 101,
6        "totalRewards": 1415,
7        "firstMonthRewards": 700,
8        "secondMonthRewards": 420,
9        "thirdMonthRewards": 295
10    }
```