How to build and deploy a google cloud run functions:

1. Create a Google Cloud Project: If you don't have one already.
2. Enable billing for your project.
3. In your Google Cloud project, enable the following APIs:
    a. Cloud Functions API
    b. Cloud Build API
4. Go to the cloud shell and make a new directory for your function.
5. Go to the newly created directory and open up the editor.
6. Create a file named main.py that has your function.
7. Create a file named requirements.txt. This file lists the Python dependencies. Add the following line: google-cloud-bigquery
8. Deploy the function: Use the gcloud functions deploy command:

    ```
    gcloud functions deploy run_bigquery_query \
       --runtime python311 \
       --trigger-http \
       --allow-unauthenticated \
       --entry-point run_bigquery_query
    ```
    **Note:Replace run_bigquery_query with the name you want to give your cloud function (and ensure it matches the function name in your main.py code).

9. After deployment, gcloud will print the URL of your function. You can go to the console and go to Cloud Run Functions and you will see your newly created function there as well.