**Day 9: GDE\_Sakina**

**Homework: Cloud Storage Bucket Setup & Data Movement Simulation**

**1. Set Up Buckets Using Cloud Shell**

Using Cloud Shell, the following gsutil commands were used to create three GCS buckets representing the Bronze, Silver, and Gold data lake layers:

bash

gsutil mb -l us-central1 gs://heart\_raw-bronze

gsutil mb -l us-central1 gs://heart\_curated-silver

gsutil mb -l us-central1 gs://heart\_agg-gold

**2. Simulate Data Movement**

**Step 1: Upload CSV File to Bronze Bucket**

The CSV file Heart\_disease\_statlog.csv was uploaded to Cloud Shell from the local machine using the terminal menu option:

Cloud Shell → Upload file → *Heart\_disease\_statlog.csv*

Command to upload file to the Bronze bucket:

gsutil cp Heart\_disease\_statlog.csv gs://heart\_raw-bronze/

To verify:

gsutil ls gs://heart\_raw-bronze/

**Step 2: Copy File from Bronze to Silver Bucket**

gsutil cp gs://heart\_raw-bronze/Heart\_disease\_statlog.csv gs://heart\_curated-silver/

To verify:

gsutil ls gs://heart\_curated-silver/

**Step 3: Copy File from Silver to Gold Bucket**

gsutil cp gs://heart\_curated-silver/Heart\_disease\_statlog.csv gs://heart\_agg-gold/

To verify:

gsutil ls gs://heart\_agg-gold/

A screenshot of a computer

AI-generated content may be incorrect.