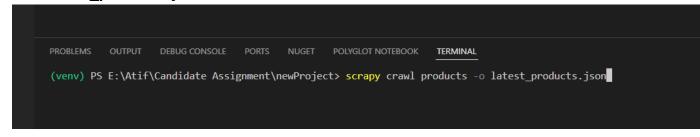
Web Scraper with Firebase Integration & Reporting: Sample Report:

1. Running Scraper to scrape products data (products with not null ids) in to a local file "latest products.json":



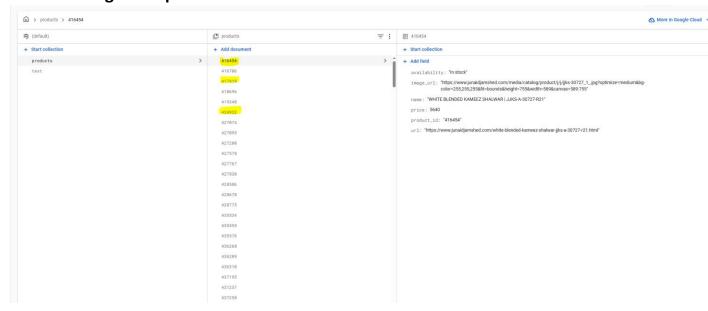
2. We have got the data in latest products.json:



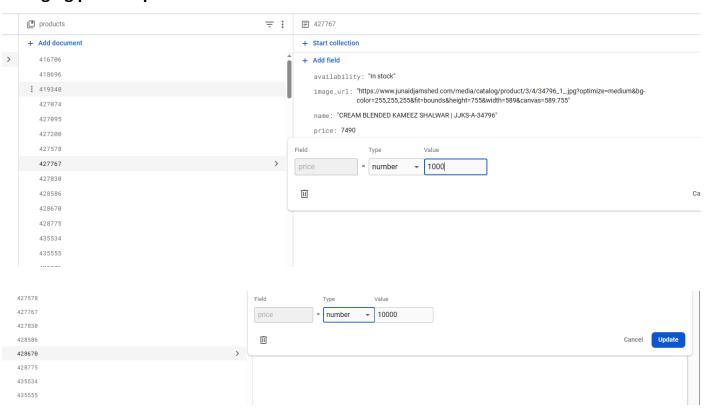
3. Now running comparer.py to compare old and new data (won't happen on first iteration as there is no data in firebase initially to avoid updating data in database each time scraper runs, by not doing so, the data would be same in database and locally saved new data), and then upload/update the data in firebase database:

```
'start_time': datetime.datetime(2025, 6, 1, 23, 50, 40, 404075, tzinfo=datetime.timezone.utc)}
2025-06-02 04:50:46 [scrapy.core.engine] INFO: Spider closed (finished)
(venv) PS E:\Atif\Candidate Assignment\newProject> python comparer.py
```

## 4. Now deleting these products from firebase:



## **Changing product prices:**



## 5. Re-running comparer.py: Output Report: