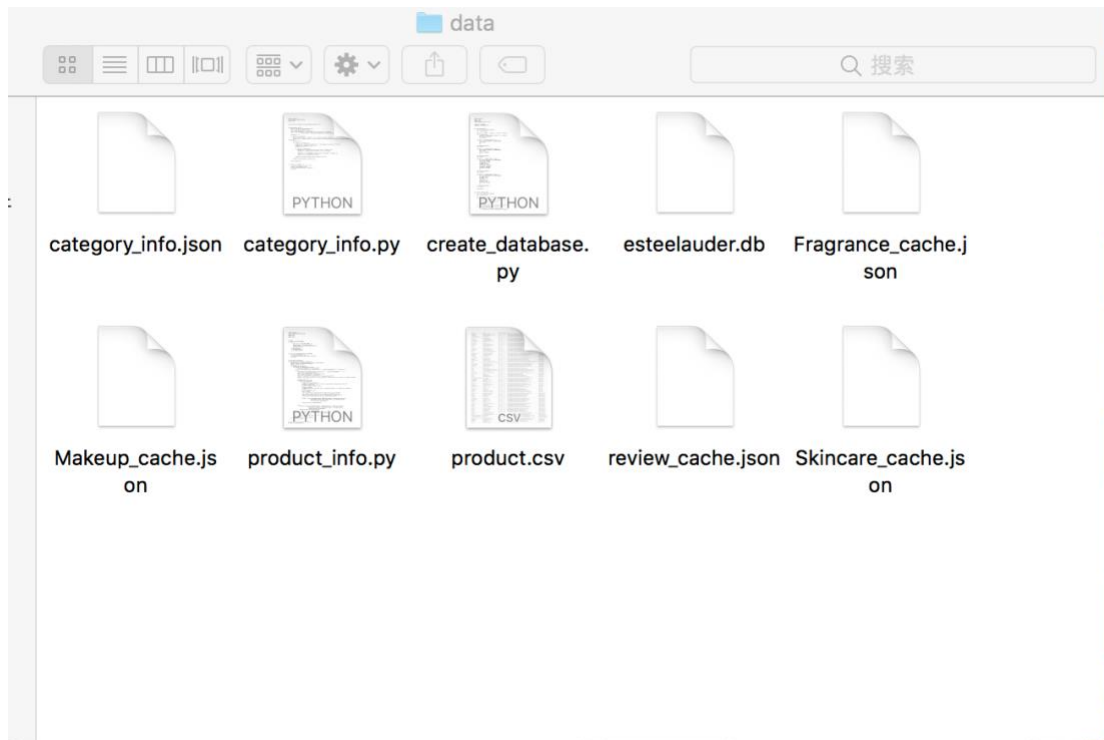


Data Sources: HTML, Challenge Point: 8

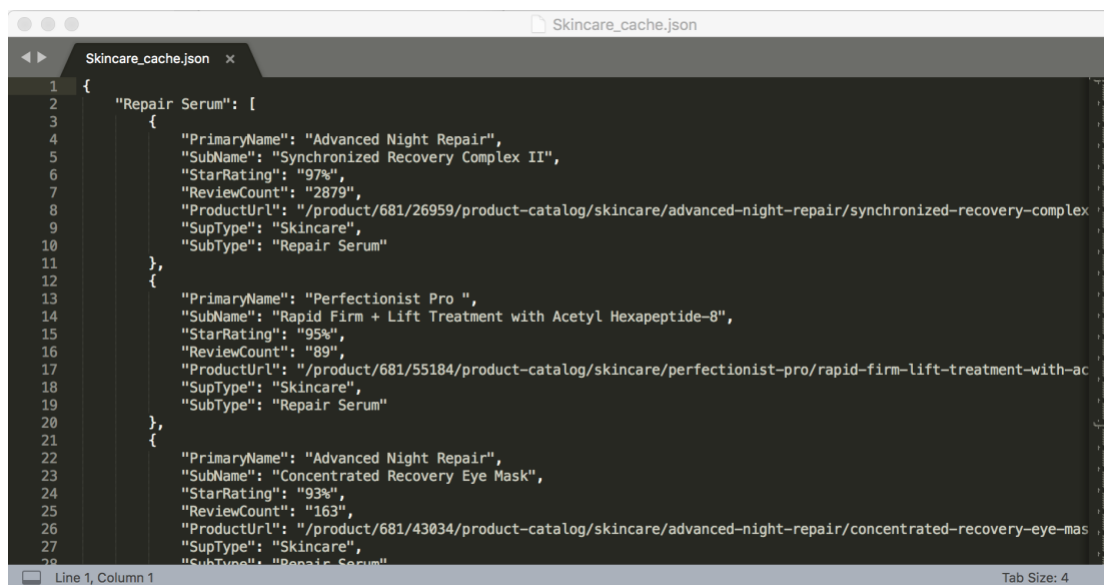
*[Estee Lauder](#): crawling and scraping multiple pages (haven't used before), Score: 8

Screenshot for Cache:

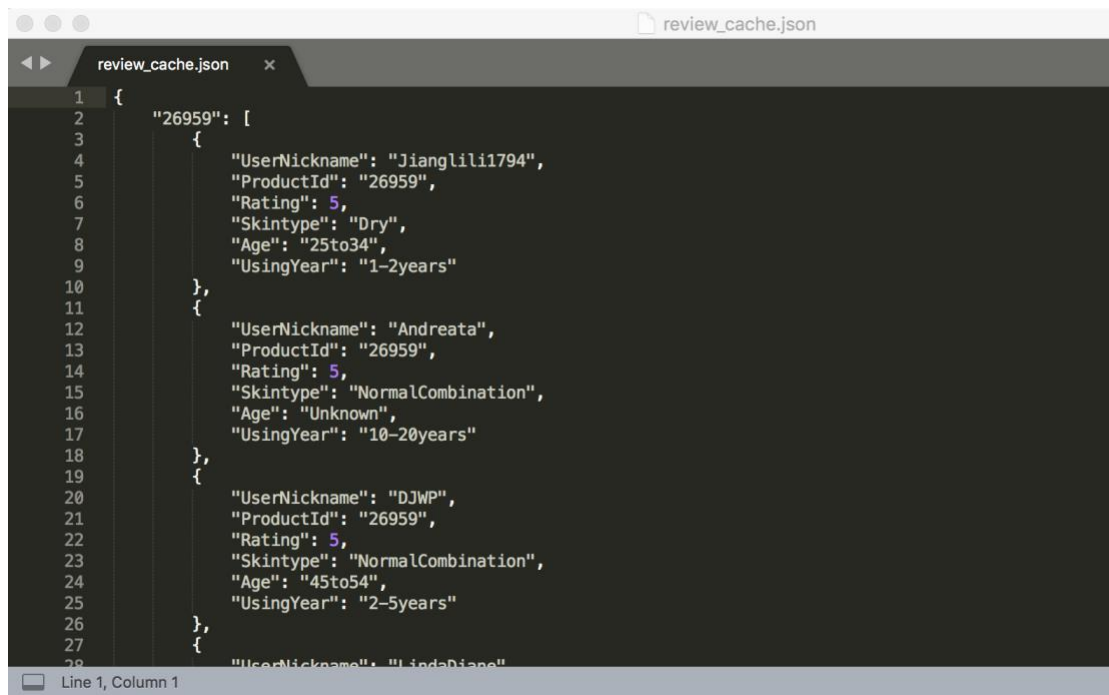
1. Screenshot for general cache files



2. Screenshot for one of product cache file



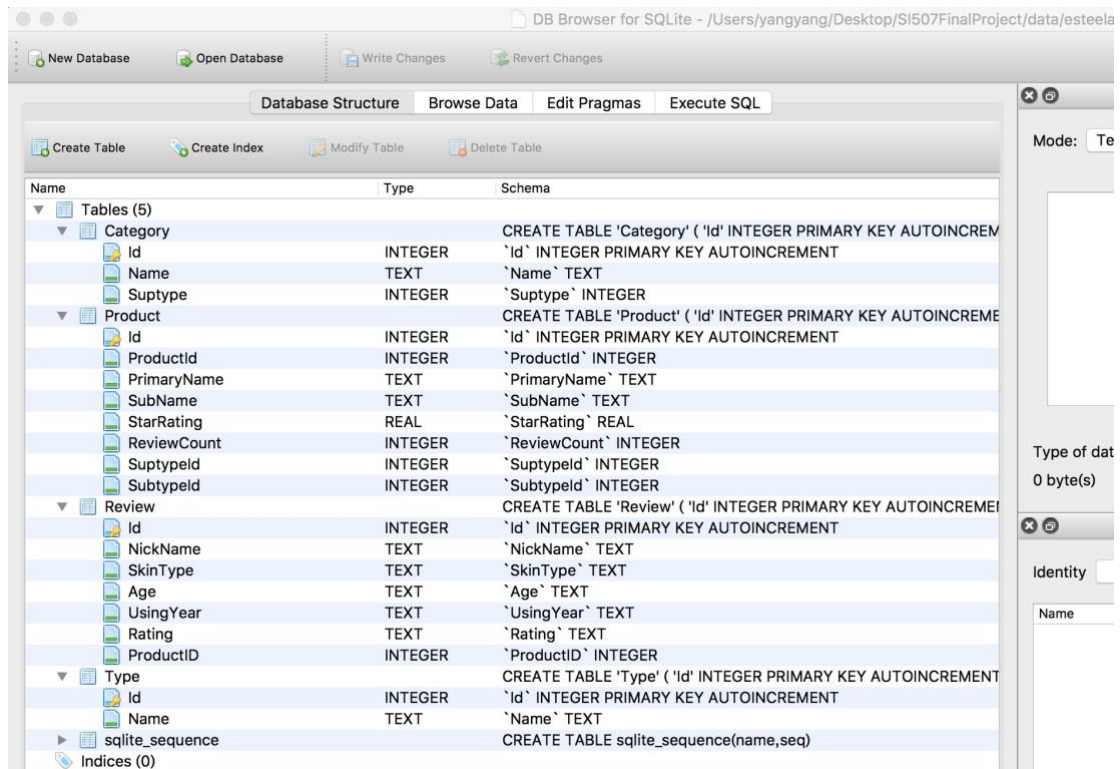
3. Screenshot for review cache file



```
1 {
2   "26959": [
3     {
4       "UserNickname": "Jianglili1794",
5       "ProductId": "26959",
6       "Rating": 5,
7       "Skintype": "Dry",
8       "Age": "25to34",
9       "UsingYear": "1-2years"
10    },
11    {
12      "UserNickname": "Andreat",
13      "ProductId": "26959",
14      "Rating": 5,
15      "Skintype": "NormalCombination",
16      "Age": "Unknown",
17      "UsingYear": "10-20years"
18    },
19    {
20      "UserNickname": "DJWP",
21      "ProductId": "26959",
22      "Rating": 5,
23      "Skintype": "NormalCombination",
24      "Age": "45to54",
25      "UsingYear": "2-5years"
26    },
27    {
28      "UserNickname": "LindaDiane"
```

Screenshot for Database:

4. Screenshot for general database file



Name	Type	Schema
Tables (5)		
Category		CREATE TABLE 'Category' ('Id' INTEGER PRIMARY KEY AUTOINCREMENT
Id	INTEGER	'Id' INTEGER PRIMARY KEY AUTOINCREMENT
Name	TEXT	'Name' TEXT
Suptype	INTEGER	'Suptype' INTEGER
Product		CREATE TABLE 'Product' ('Id' INTEGER PRIMARY KEY AUTOINCREMENT
Id	INTEGER	'Id' INTEGER PRIMARY KEY AUTOINCREMENT
ProductId	INTEGER	'ProductId' INTEGER
PrimaryName	TEXT	'PrimaryName' TEXT
SubName	TEXT	'SubName' TEXT
StarRating	REAL	'StarRating' REAL
ReviewCount	INTEGER	'ReviewCount' INTEGER
Suptyeld	INTEGER	'Suptyeld' INTEGER
Subtyeld	INTEGER	'Subtyeld' INTEGER
Review		CREATE TABLE 'Review' ('Id' INTEGER PRIMARY KEY AUTOINCREMENT
Id	INTEGER	'Id' INTEGER PRIMARY KEY AUTOINCREMENT
NickName	TEXT	'NickName' TEXT
SkinType	TEXT	'SkinType' TEXT
Age	TEXT	'Age' TEXT
UsingYear	TEXT	'UsingYear' TEXT
Rating	TEXT	'Rating' TEXT
ProductID	INTEGER	'ProductID' INTEGER
Type		CREATE TABLE 'Type' ('Id' INTEGER PRIMARY KEY AUTOINCREMENT
Id	INTEGER	'Id' INTEGER PRIMARY KEY AUTOINCREMENT
Name	TEXT	'Name' TEXT
sqlite_sequence		CREATE TABLE sqlite_sequence(name,seq)
Indices (0)		

5. Screenshot for table Product

Table: **Product**

	Id	ProductId	PrimaryName	SubName	StarRating	ReviewCount	Suptypeld	Subtyp
	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	1	26959	Advanced Night...	Synchronized R...	0.97	2879	1	1
2	2	55184	Perfectionist Pro	Rapid Firm + Lif...	0.95	89	1	1
3	3	43034	Advanced Night...	Concentrated R...	0.93	163	1	1
4	4	31272	Advanced Night...	Synchronized C...	0.95	264	1	1
5	5	21181	Perfectionist [C...	Wrinkle Lifting/...	0.94	804	1	1
6	6	3298	Idealist	Pore Minimizing ...	0.95	794	1	1
7	7	35783	Advanced Night...	Concentrated R...	0.95	133	1	1
8	8	51587	Powerful Nightti...	Wake Up To Mo...	0.97	7	1	1
9	9	39648	Advanced Night...	Intensive Recov...	0.96	230	1	1
10	10	51276	Repair + Renew ...	Get Started Now	0.97	41	1	1
11	11	46487	Advanced Night...	Synchronized R...	0.98	65	1	1
12	12	32119	Enlighten	Dark Spot Corre...	0.87	261	1	1
13	13	35024	Crescent White	Full Cycle Bright...	0.91	37	1	1
14	14	56863	Firm + Glow	For Youthful-Lo...	0.0	0	1	1
15	15	56861	Protect + Refresh	For Healthy, Yo...	0.0	0	1	1
16	16	51585	Beautiful Eyes: ...	For Smoother, R...	1.0	1	1	1
17	17	42475	Revitalizing Sup...	Global Anti-Agin...	0.97	742	1	2
18	18	13158	DayWear	Multi-Protection...	0.94	716	1	2
19	19	17838	Resilience Lift	Firming/Sculptin...	0.94	467	1	2
20	20	51346	Revitalizing Sup...	Global Anti-Agin...	0.95	35	1	2
21	21	46658	Resilience Lift N...	Lifting/Firming ...	0.96	66	1	2

1 - 21 of 302 Go to: 1

6. Screenshot for table Review

Table: **Review**

	Id	NickName	SkinType	Age	UsingYear	Rating	ProductID
	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	1	Jianglil1794	Dry	25to34	1-2years	5	1
2	2	Andreat	NormalCombina...	Unknown	10-20years	5	1
3	3	DJWP	NormalCombina...	45to54	2-5years	5	1
4	4	LindaDiane	NormalCombina...	45to54	20years	5	1
5	5	SidneyAnn	Oily	45to54	20years	5	1
6	6	e11ie0	NormalCombina...	45to54	1-2years	5	1
7	7	Sabina30	NormalCombina...	25to34	1-2years	5	1
8	8	Danacrags	NormalCombina...	25to34	2-5years	5	1
9	9	Whitney002200	NormalCombina...	25to34	5-10years	5	1
10	10	SarahMC123	NormalCombina...	25to34	1-2years	5	1
11	11	Olik	NormalCombina...	35to44	5-10years	5	1
12	12	Marciapazos	NormalCombina...	18to24	1-2years	4	1
13	13	veronica1990	Unknown	Unknown	Unknown	5	1
14	14	Jan123	NormalCombina...	55to64	20years	5	1
15	15	tingting5832	Oily	18to24	1year	5	1
16	16	Duong	Oily	18to24	1year	5	1
17	17	Fiona311	Oily	25to34	1-2years	5	1
18	18	Faranak	Unknown	Unknown	Unknown	5	1
19	19	SallyQin	NormalCombina...	25to34	2-5years	5	1
20	20	TaylorSue	NormalCombina...	45to54	20years	5	1
21	21	QianQianQian	NormalCombina...	25to34	Unknown	5	1

1 - 21 of 15772 Go to: 1