

SQL

The screenshot shows two windows side-by-side. The left window is MySQL Workbench with the following details:

- Title Bar:** MySQL Workbench - Local instance MySQL80
- Menu Bar:** File, Edit, View, Query, Database, Server, Tools, Scripting, Help
- Navigator:** Schemas (newschema, shoe\_api), Tables (adidas, admin\_, as\_per, casual, catego, feedbs, jordan, nike, pricels, puma)
- SQL Editor:** Shows a multi-line SQL script for populating a 'Retailer' table and selecting from a 'shoe\_api' schema.
- Information:** Schema: shoe\_api
- Object Info:** Shows the current object selected in the Navigator.

The right window is a file browser with the following details:

- Title Bar:** 16°C Sunny
- Toolbar:** Search, Action Output
- File List:** puma.html, nike.html, shoe-details.html, populateBrandCategories.js, sqldump.sql, .env, api.php, index.js
- Content Area:** Shows the contents of the sqldump.sql file, which is a MySQL dump of the shoe\_api database.

```

mysql > sqldump.sql
21
22  DROP TABLE IF EXISTS `adidas`;
23 /*!40101 SET @saved_cs_client      = @@character_set_client */;
24 /*!50503 SET character_set_client = utf8mb4 */;
25 CREATE TABLE `adidas` (
26   `Shoe_ID` varchar(10) NOT NULL,
27   `Category_ID` varchar(10) DEFAULT NULL,
28   `Model` varchar(50) DEFAULT NULL,
29   PRIMARY KEY (`Shoe_ID`),
30   KEY `Category_ID` (`Category_ID`),
31   CONSTRAINT `adidas_ibfk_1` FOREIGN KEY (`Shoe_ID`) REFERENCES `shoe_products` (`Shoe_ID`),
32   CONSTRAINT `adidas_ibfk_2` FOREIGN KEY (`Category_ID`) REFERENCES `category` (`Category_ID`)
33 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
34 /*!40101 SET character_set_client = @saved_cs_client */;

35
36 --
37 -- Dumping data for table `adidas`
38 --
39
40 LOCK TABLES `adidas` WRITE;
41 /*!40000 ALTER TABLE `adidas` DISABLE KEYS */;
42 INSERT INTO `adidas` VALUES ('B75571','CA02','Yeezy Boost 700'),('B75807/BZ0','CA08','Samba'),('BD7633','CA07','Handball Spezial'),('BY1604','CA01','Yeezy Boost 350 V2'),('BZ0057/B75','CA08','Samba'),('CP9652','CA01','Yeezy Boost 350 V2'),('CP9654','CA01','Yeezy Boost 350 V2'),('EF2905','CA01','Yeezy Boost 350 V2'),('FZ5896','CA03','Yeezy Slide'),('FZ5897','CA03','Yeezy Slide'),('GW1229','CA01','Yeezy Boost 350 V2'),('GY3438','CA01','Yeezy Boost 350 V2'),('GY7164','CA01','Yeezy Boost 350 V2'),('H03665','CA06','Yeezy 450'),('HP7870','CA01','Yeezy Boost 350 V2'),('HP8739','CA04','CA01','Yeezy Boost 350 V2'),('H03665','CA06','Yeezy 450'),('HP7870','CA01','Yeezy Boost 350 V2'),('HP8739','CA04','CA01','Yeezy Foam RNR'),('HQ2059','CA01','Yeezy Boost 350 V2'),('HQ4540','CA01','Yeezy Boost 350 V2'),('HQ6316','CA01','Yeezy Boost 350 V2'),('HQ6448','CA03','Yeezy Slide'),('HQ7045','CA01','Yeezy Boost 350 V2'),('HQ8708','CA09','Campus'),('ID0477','CA08','Samba'),('ID0478','CA08','Samba'),('ID0780','CA14','Response CL'),('ID2349','CA03','Yeezy Slide'),('ID2350','CA03','Yeezy Slide'),('ID2529','CA19','Bad Bunny'),('ID2534','CA19','Bad Bunny'),('ID4126','CA04','Yeezy Foam RNR'),('ID4132','CA03','Yeezy Slide'),('ID4133','CA03','Yeezy Slide'),('ID4811','CA01','Yeezy Boost 350 V2'),('ID5103','CA03','Yeezy Slide'),('ID5184','CA03','Yeezy Slide'),('ID5480','CA03','Yeezy Slide'),('IE3699','CA07','Handball Spezial'),('IE4783','CA05','Yeezy 500'),('IE4931','CA04','Yeezy Foam RNR'),('IE5836','CA08','Samba'),('IF3219','CA01','Yeezy Boost 350 V2'),('IF6490','CA07','Handball Spezial'),('IF9735','CA19','Bad Bunny'),('IG5349','CA04','Yeezy Foam RNR'),('IG9030','CA08','Samba'),('JH6206','CA16','Adizero'),('JH7834','CA17','Bw Army'),('JI0280','CA08','Samba'),('JI2734','CA08','Samba'),('JI2735','CA08','Samba'),('JP5309','CA10','Gazelle'),('JQ2393','CA18','Harden Vol. 8'),('JQ6140','CA15','AE 1'),('JQ9229','CA12','Ballerina'),('JQ9230','CA12','Ballerina'),('JR0035','CA08','Samba'),('JR3915','CA15','AE 1'),('JR7030','CA13','Taekwondo'),('JR7031','CA13','Taekwondo'),('KI0565','CA11','climacool');

43 /*!40000 ALTER TABLE `adidas` ENABLE KEYS */;
44 UNLOCK TABLES;
45
46 --

```

```

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5 ⌂ 08 ⌂ - ⌂ ⌂
puma.html nike.html shoe-details.html populateBrandCategories.js sqldump.sql .env api.php index.js M ⌂ ⌂ ⌂ ...
mysql > sqldump.sql
47 -- Table structure for table `admin_users`
48 --
49
50 DROP TABLE IF EXISTS `admin_users`;
51 /*!40101 SET @saved_cs_client      = @@character_set_client */;
52 /*!50503 SET character_set_client = utf8mb4 */;
53 CREATE TABLE `admin_users` (
54     `UserID` varchar(10) NOT NULL,
55     `Admin_ID` varchar(10) DEFAULT NULL,
56     PRIMARY KEY (`UserID`),
57     CONSTRAINT `admin_users_ibfk_1` FOREIGN KEY (`UserID`) REFERENCES `users` (`UserID`)
58 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
59 /*!40101 SET character_set_client = @saved_cs_client */;
60 --
61 --
62 -- Dumping data for table `admin_users`
63 --
64
65 LOCK TABLES `admin_users` WRITE;
66 /*!40000 ALTER TABLE `admin_users` DISABLE KEYS */;
67 INSERT INTO `admin_users` VALUES ('A001','ADM001'),('A002','ADM002'),('A003','ADM003');
68 /*!40000 ALTER TABLE `admin_users` ENABLE KEYS */;
69 UNLOCK TABLES;
70 --
71 --
72 -- Table structure for table `as_per`
```

OKC - MIN Game score

Search

File Edit Selection View Go Run ... ⌂ COS-221---Assignment-5 ⌂ 08 ⌂ - ⌂ ⌂

```

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5 ⌂ 08 ⌂ - ⌂ ⌂
puma.html nike.html shoe-details.html populateBrandCategories.js sqldump.sql .env api.php index.js M ⌂ ⌂ ⌂ ...
mysql > sqldump.sql
75 DROP TABLE IF EXISTS `as_per`;
76 /*!40101 SET @saved_cs_client      = @@character_set_client */;
77 /*!50503 SET character_set_client = utf8mb4 */;
78 CREATE TABLE `as_per` (
79     `Shoe_ID` varchar(10) NOT NULL,
80     `Category_ID` varchar(10) NOT NULL,
81     PRIMARY KEY (`Shoe_ID`,`Category_ID`),
82     KEY `Category_ID` (`Category_ID`),
83     CONSTRAINT `as_per_ibfk_1` FOREIGN KEY (`Shoe_ID`) REFERENCES `shoe_products` (`Shoe_ID`),
84     CONSTRAINT `as_per_ibfk_2` FOREIGN KEY (`Category_ID`) REFERENCES `category` (`Category_ID`)
85 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
86 /*!40101 SET character_set_client = @saved_cs_client */;
87 --
88 --
89 -- Dumping data for table `as_per`
90 --
91
92 LOCK TABLES `as_per` WRITE;
93 /*!40000 ALTER TABLE `as_per` DISABLE KEYS */;
94 INSERT INTO `as_per` VALUES ('BY1604','CA01'),('CP9652','CA01'),('CP9654','CA01'),('EF2905','CA01'),('GW1229','CA01'),
  ('GY3438','CA01'),('GY7164','CA01'),('HP7870','CA01'),('HQ2059','CA01'),('HQ4540','CA01'),('HQ6316','CA01'),('HQ7045',
  'CA01'),('ID4811','CA01'),('IF3219','CA01'),('B75571','CA02'),('FZ5896','CA03'),('FZ5897','CA03'),('HQ6448','CA03'),
  ('ID2349','CA03'),('ID2350','CA03'),('ID4132','CA03'),('ID4133','CA03'),('ID5103','CA03'),('ID5104','CA03'),('ID5480',
  'CA03'),('HP8739','CA04'),('ID4126','CA04'),('IE4931','CA04'),('IG5349','CA04'),('IE4783','CA05'),('H03665','CA06'),
  ('BD7633','CA07'),('IE3699','CA07'),('IF6490','CA07'),('B75807/BZ0','CA08'),('BZ0057/B75','CA08'),('ID0477','CA08'),
```

OKC - MIN Game score

Search

File Edit Selection View Go Run ... ⌂ COS-221---Assignment-5 ⌂ 08 ⌂ - ⌂ ⌂

File Edit Selection View Go Run ... ↵ → J COS-221--Assignment-5 DB U API.js JS index.js M C P

puma.html nuke.html shoe-details.html JS populateBrandCategories.js sqldump.sql .env U api.php JS index.js M C P

mysql > sqldump.sql

```
92 LOCK TABLES `as_per` WRITE;
93 /*!40000 ALTER TABLE `as_per` DISABLE KEYS */;
94 INSERT INTO `as_per` VALUES ('BY1604','CA01'),('CP9652','CA01'),('CP9654','CA01'),('EF2905','CA01'),('GW1229','CA01'),
('GY3483','CA01'),('GY7164','CA01'),('HP7870','CA01'),('HQ2059','CA01'),('HQ4540','CA01'),('HQ6316','CA01'),('HQ7045',
'CA01'),('ID4811','CA01'),('IF3219','CA01'),('B75571','CA02'),('FZ5896','CA03'),('FZ5897','CA03'),('HQ6448','CA03'),
('ID2349','CA03'),('ID2350','CA03'),('ID4132','CA03'),('ID4133','CA03'),('ID5183','CA03'),('ID5104','CA03'),('ID5480',
'CA03'),('HP8739','CA04'),('ID4126','CA04'),('IE4931','CA04'),('IG5349','CA04'),('IE4783','CA05'),('H03665','CA06'),
('BD7633','CA07'),('IE3699','CA07'),('IF6490','CA07'),('B75807/B0','CA08'),('BZ0057/B75','CA08'),('ID0477','CA08'),
('ID0478','CA08'),('IE5836','CA08'),('IG9803','CA08'),('JG0280','CA08'),('JG12734','CA08'),('JG12735','CA08'),('JR0035',
'CA08'),('HQ8708','CA09'),('JP5309','CA10'),('K10565','CA11'),('JQ9229','CA12'),('JQ9230','CA12'),('JR7030','CA13'),
('JR7031','CA13'),('ID0780','CA14'),('JQ6140','CA15'),('JR3915','CA15'),('JH6206','CA16'),('JH7834','CA17'),('JQ2393',
'CA18'),('ID2529','CA19'),('ID2534','CA19'),('IF9735','CA19'),('M553558-146','CJ01'),('CZ0790-102','CJ01'),('CZ0790-107',
'CJ01'),('CZ0790-110','CJ01'),('CZ0790-400','CJ01'),('DM7866-200','CJ01'),('DM7866-202','CJ01'),('DV1309-100','CJ01'),
('DV1748-601','CJ01'),('DZ4137-700','CJ01'),('DZ5485-010','CJ01'),('DZ5485-100','CJ01'),('DZ5485-106','CJ01'),
('DZ5485-400','CJ01'),('DZ5485-402','CJ01'),('DZ5485-612','CJ01'),('HF1567-200','CJ01'),('HF6674-067','CJ01'),
('HV8563-600','CJ01'),('A9Q129-170','CJ02'),('DH6927-161','CJ02'),('DR5415-100','CJ02'),('FQ7928-001','CJ02'),
('FQ8138-001','CJ02'),('FQ8138-002','CJ02'),('FQ8213-001','CJ02'),('FQ8213-006','CJ02'),('FV5029-006','CJ02'),
('FV5029-100','CJ02'),('FV5029-141','CJ02'),('FV5029-180','CJ02'),('FV5029-200','CJ02'),('HF4340-800','CJ02'),
('HV0823-003','CJ02'),('HV0823-100','CJ02'),('IB4171-100','CJ02'),('CT8012-005','CJ03'),('CT8012-104','CJ03'),
('CT8012-116','CJ03'),('CT8012-170','CJ03'),('FV5104-006','CJ03'),('FV5121-006','CJ03'),('L53265-002','CJ04'),
('CT8013-002','CJ04'),('CT8013-112','CJ04'),('487471-160','CJ05'),('CT8532-001','CJ06'),('CT8532-031','CJ06'),
('CT8532-101','CJ06'),('CT8532-106','CJ06'),('DN3707-010','CJ06'),('DN3707-100','CJ06'),('FZ4811-001','CJ06'),
('HW8571-100','CJ06'),('IB1482-100','CJ06'),('IB8967-004','CJ06'),('HF3975-001','CJ07'),('HF3976-001','CJ07'),
('CT8529-112','CJ08'),('CT8529-164','CJ08'),('FZ8117-102','CJ09'),('FZ8117-204','CJ09'),('315122-001','CN01'),
('315122-111','CN01'),('CU9225-001','CN01'),('CU9225-100','CN01'),('CZ0865-100','CN01'),('HQ9346-100','CN01'),
('IB8874-111','CN01'),('CD2563-101','CN03'),('FZ1291-600','CN03'),('HF3058-300','CN03'),('HF8822-300','CN03'),
('HJ4132-100','CN03'),('CD6404-100','CN04'),('CN0149-001','CN04'),('HQ3818-001','CN04'),('CZ7871-001','CN05'),
('FB2709-003','CN05'),('FV4710-100','CN05'),('HJ5996-001','CN05'),('HM4740-001','CN05'),('HM9936-001','CN05'),
('CW2190-400','CN06'),('FN0266-800','CN06'),('FQ3546-300','CN06'),('FQ3546-100','CN06'),('FV4921-500','CN06'),
('FT7333-002','CN06'),('HJ4209-010','CN06'),('HM9621-900','CN06'),('IB4481-500','CN06'),('FQ40303-400','CN07'),
('HJ6014-400','CN07'),('FD0884-025','CN08'),('HV4479-001','CN09'),('HV5060-001','CN09'),('HV5060-002','CN09'),
('HV5060-003','CN09'),('HV5060-100','CN09'),('HQ2592-102','CN10'),('FZ8605-601','CN10'),('IF0302-800','CN11'),
('FZ1518-600','CN12'),('FZ8224-100','CN14'),('HQ3872-400','CN15'),('HQ3873-100','CN15'),('CW1590-100','CN16'),
('DD1391-100','CN16'),('DD1391-103','CN16'),('DD1503-101','CN16'),('DV0833-113','CN16'),('CZ0173-001','CN17'),
('IF1617-600','CN18'),('309755-01','CP01'),('376678-02','CP01'),('376848-01','CP01'),('376941-04','CP01'),('376941-07',
'CP01'),('379223-01','CP01'),('377411-02','CP02'),('379420-01','CP02'),('309847-01','CP03'),('310511-01','CP03'),
('310512-01','CP03'),('310519-01','CP03'),('311327-01','CP03'),('378916-01','CP03'),('379221-01','CP03'),('310697-01',
'CP04'),('310775-01','CP04'),('310776-01','CP04'),('318836-01','CP04'),('311307-01','CP04'),('311308-01','CP04'),
('311310-01','CP04'),('311318-01','CP04'),('312055-01','CP04'),('374915-02','CP05'),('396520-01','CP05'),('396521-01',
'CP05'),('396524-01','CP05'),('396525-01','CP05'),('398846-01','CP06'),('398846-02','CP06'),('398846-12','CP06'),
('398846-31','CP06'),('400986-02','CP06'),('401287-01','CP06'),('401287-02','CP06'),('401287-06','CP06'),('401287-07',
'CP06'),('401518-01','CP06'),('403587-01','CP06'),('403963-01','CP06'),('397338-05','CP07'),('401540-03','CP07'),
('401208-01','CP08'),('379328-01','CP09'),('7830001','CP10'),('783001-01','CP10'),('398671-01','CP11'),('399606-01',
'CP12'),('401304-01','CP13'),('401305-01','CP13');
```

OKC - MIN Game score

File Edit Selection View Go Run ... ↵ → J COS-221--Assignment-5 DB U API.js JS index.js M C P

puma.html nuke.html shoe-details.html JS populateBrandCategories.js sqldump.sql .env U api.php JS index.js M C P

mysql > sqldump.sql

```
95 /*!40000 ALTER TABLE `as_per` ENABLE KEYS */;
96 UNLOCK TABLES;
```

OKC - MIN Game score

The image shows two side-by-side screenshots of a code editor interface, likely VS Code, displaying SQL dump files for database tables.

**Top Screenshot:**

- File menu: File, Edit, Selection, View, Go, Run, ...
- Search bar: COS-221---Assignment-5
- Tab bar: puma.html, nike.html, shoe-details.html, populateBrandCategories.js, sqldump.sql (highlighted), .env, api.php, index.js M
- Code area:

```
mysql > sqldump.sql
101
102  DROP TABLE IF EXISTS `casual_users`;
103  /*!40101 SET @saved_cs_client      = @@character_set_client */;
104  /*!50503 SET character_set_client = utf8mb4 */;
105  CREATE TABLE `casual_users` (
106    `UserID` varchar(10) NOT NULL,
107    PRIMARY KEY (`UserID`),
108    CONSTRAINT `casual_users_ibfk_1` FOREIGN KEY (`UserID`) REFERENCES `users` (`UserID`)
109  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
110  /*!40101 SET character_set_client = @saved_cs_client */;

111
112  --
113  -- Dumping data for table `casual_users`
114  --
115
116  LOCK TABLES `casual_users` WRITE;
117  /*!40000 ALTER TABLE `casual_users` DISABLE KEYS */;
118  INSERT INTO `casual_users` VALUES ('U101'),('U102'),('U103'),('U104'),('U105');
119  /*!40000 ALTER TABLE `casual_users` ENABLE KEYS */;
120  UNLOCK TABLES;
121
122  --
123  -- Table structure for table `category`
124  --
125
```
- Bottom status bar: OKC - MIN Game score, Search, file icons, 10:04, 2025/05/27

**Bottom Screenshot:**

- File menu: File, Edit, Selection, View, Go, Run, ...
- Search bar: COS-221---Assignment-5
- Tab bar: puma.html, nike.html, shoe-details.html, populateBrandCategories.js, sqldump.sql (highlighted), .env, api.php, index.js M
- Code area:

```
mysql > sqldump.sql
116  LOCK TABLES `casual_users` WRITE;
117  /*!40000 ALTER TABLE `casual_users` DISABLE KEYS */;
118  INSERT INTO `casual_users` VALUES ('U101'),('U102'),('U103'),('U104'),('U105');
119  /*!40000 ALTER TABLE `casual_users` ENABLE KEYS */;
120  UNLOCK TABLES;
121
122  --
123  -- Table structure for table `category`
124  --
125
126  DROP TABLE IF EXISTS `category`;
127  /*!40101 SET @saved_cs_client      = @@character_set_client */;
128  /*!50503 SET character_set_client = utf8mb4 */;
129  CREATE TABLE `category` (
130    `Category_ID` varchar(10) NOT NULL,
131    PRIMARY KEY (`Category_ID`)
132  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
133  /*!40101 SET character_set_client = @saved_cs_client */;

134
135  --
136  -- Dumping data for table `category`
137  --
138
139  LOCK TABLES `category` WRITE;
140  /*!40000 ALTER TABLE `category` DISABLE KEYS */;
```
- Bottom status bar: OKC - MIN Game score, Search, file icons, 10:04, 2025/05/27

```

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5 ⌂ 08 ⌂ - ⌂ ⌂
puma.html nike.html shoe-details.html JS populateBrandCategories.js sqldump.sql .env api.php JS index.js M ⌂ ⌂ ⌂ ...
mysql > sqldump.sql
137 --
138
139 LOCK TABLES `category` WRITE;
140 /*!40000 ALTER TABLE `category` DISABLE KEYS */;
141 INSERT INTO `category` VALUES ('CA01'),('CA02'),('CA03'),('CA04'),('CA05'),('CA06'),('CA07'),('CA08'),('CA09'),('CA10'),
('CA11'),('CA12'),('CA13'),('CA14'),('CA15'),('CA16'),('CA17'),('CA18'),('CA19'),('CA20'),('CJ01'),('CJ02'),('CJ03'),
('CJ04'),('CJ05'),('CJ06'),('CJ07'),('CJ08'),('CJ09'),('CN01'),('CN02'),('CN03'),('CN04'),('CN05'),('CN06'),('CN07'),
('CN08'),('CN09'),('CN10'),('CN11'),('CN12'),('CN13'),('CN14'),('CN15'),('CN16'),('CN17'),('CN18'),('CP01'),('CP02'),
('CP03'),('CP04'),('CP05'),('CP06'),('CP07'),('CP08'),('CP09'),('CP10'),('CP11'),('CP12'),('CP13');
142 /*!40000 ALTER TABLE `category` ENABLE KEYS */;
143 UNLOCK TABLES;
144 --
145 --
146 -- Table structure for table `feedback`;
147 --
148
149 DROP TABLE IF EXISTS `feedback`;
150 /*!40101 SET @saved_cs_client      = @@character_set_client */;
151 /*!50503 SET character_set_client = utf8mb4 */;
152 CREATE TABLE `feedback` (
153   `UserID` varchar(10) NOT NULL,
154   `Shoe_ID` varchar(10) NOT NULL,
155   PRIMARY KEY (`UserID`, `Shoe_ID`),
156   KEY `Shoe_ID` (`Shoe_ID`),
157   CONSTRAINT `feedback_ibfk_1` FOREIGN KEY (`UserID`) REFERENCES `users` (`UserID`),
158   CONSTRAINT `feedback_ibfk_2` FOREIGN KEY (`Shoe_ID`) REFERENCES `shoe_products` (`Shoe_ID`)
159 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
160 /*!40101 SET character_set_client = @saved_cs_client */;
161 --
162 --
163 -- Dumping data for table `feedback`
164 --
165
166 LOCK TABLES `feedback` WRITE;
167 /*!40000 ALTER TABLE `feedback` DISABLE KEYS */;
168 INSERT INTO `feedback` VALUES ('U103','315122-001'),('U103','398846-12'),('U104','403587-01'),('U101','AQ9129-170'),
('U104','CD6404-100'),('U102','CT8532-031'),('U101','CZ0790-110'),('U105','DN3707-010'),('U103','FZ8224-100'),('U101',
'FZ8224-100'),('U103','FZ8224-100'),('U103','FZ8224-100'),('U103','FZ8224-100'),('U103','FZ8224-100')

```

OKC - MIN Game score 10:05 2025/05/27

```

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5 ⌂ 08 ⌂ - ⌂ ⌂
puma.html nike.html shoe-details.html JS populateBrandCategories.js sqldump.sql .env api.php JS index.js M ⌂ ⌂ ⌂ ...
mysql > sqldump.sql
145 --
146 -- Table structure for table `feedback`;
147 --
148
149 DROP TABLE IF EXISTS `feedback`;
150 /*!40101 SET @saved_cs_client      = @@character_set_client */;
151 /*!50503 SET character_set_client = utf8mb4 */;
152 CREATE TABLE `feedback` (
153   `UserID` varchar(10) NOT NULL,
154   `Shoe_ID` varchar(10) NOT NULL,
155   PRIMARY KEY (`UserID`, `Shoe_ID`),
156   KEY `Shoe_ID` (`Shoe_ID`),
157   CONSTRAINT `feedback_ibfk_1` FOREIGN KEY (`UserID`) REFERENCES `users` (`UserID`),
158   CONSTRAINT `feedback_ibfk_2` FOREIGN KEY (`Shoe_ID`) REFERENCES `shoe_products` (`Shoe_ID`)
159 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
160 /*!40101 SET character_set_client = @saved_cs_client */;
161 --
162 --
163 -- Dumping data for table `feedback`
164 --
165
166 LOCK TABLES `feedback` WRITE;
167 /*!40000 ALTER TABLE `feedback` DISABLE KEYS */;
168 INSERT INTO `feedback` VALUES ('U103','315122-001'),('U103','398846-12'),('U104','403587-01'),('U101','AQ9129-170'),
('U104','CD6404-100'),('U102','CT8532-031'),('U101','CZ0790-110'),('U105','DN3707-010'),('U103','FZ8224-100'),('U101',
'FZ8224-100'),('U103','FZ8224-100'),('U103','FZ8224-100'),('U103','FZ8224-100'),('U103','FZ8224-100')

```

OKC - MIN Game score 10:05 2025/05/27



```

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5 ⌂ 08 ⌂ - ⌂ ⌂
puma.html nike.html shoe-details.html populateBrandCategories.js sqldump.sql .env api.php index.js M ⌂ ⌂ ⌂ ...
mysql > sqldump.sql
175
176 DROP TABLE IF EXISTS `jordan`;
177 /*!40101 SET @saved_cs_client      = @@character_set_client */;
178 /*!50503 SET character_set_client = utf8mb4 */;
179 CREATE TABLE `jordan` (
180   `Shoe_ID` varchar(10) NOT NULL,
181   `Category_ID` varchar(10) DEFAULT NULL,
182   `Model` varchar(50) DEFAULT NULL,
183   PRIMARY KEY (`Shoe_ID`),
184   KEY `Category_ID` (`Category_ID`),
185   CONSTRAINT `jordan_ibfk_1` FOREIGN KEY (`Shoe_ID`) REFERENCES `shoe_products` (`Shoe_ID`),
186   CONSTRAINT `jordan_ibfk_2` FOREIGN KEY (`Category_ID`) REFERENCES `category` (`Category_ID`)
187 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4_0900_ai_ci;
188 /*!40101 SET character_set_client = @saved_cs_client */;

189
190 --
191 -- Dumping data for table `jordan`
192 --
193

194 LOCK TABLES `jordan` WRITE;
195 /*!40000 ALTER TABLE `jordan` DISABLE KEYS */;
196 INSERT INTO `jordan` VALUES ('153265-002','CJ04','Jordan 12'),('487471-160','CJ05','Jordan 14'),('553558-146','CJ01',
'Jordan 1'),('A99129-170','CJ02','Jordan 4'),('CT8012-005','CJ03','Jordan 11'),('CT8012-104','CJ03','Jordan 11'),
('CT8012-116','CJ03','Jordan 11'),('CT8012-170','CJ03','Jordan 11'),('CT8013-002','CJ04','Jordan 12'),('CT8013-112',
'CJ04','Jordan 12'),('CT8529-112','CJ08','Jordan 6'),('CT8529-164','CJ08','Jordan 6'),('CT8532-001','CJ06','Jordan 3'),
('CT8532-031','CJ06','Jordan 3'),('CT8532-101','CJ06','Jordan 3'),('CT8532-106','CJ06','Jordan 3'),('CT8532-102','CJ01',
'Jordan 1'),('CZ0790-107','CJ01','Jordan 1'),('CZ0790-110','CJ01','Jordan 1'),('CZ0790-400','CJ01','Jordan 1'),
('CZ0790-107','CJ02','Jordan 4'),('CZ0790-110','CJ01','Jordan 1'),('CZ0790-400','CJ01','Jordan 1'),
('DH6927-017','CJ02','Jordan 4'),('DH6927-161','CJ02','Jordan 4'),('DM7866-200','CJ01','Jordan 1'),('DM7866-202','CJ01',
'Jordan 1'),('DN3707-010','CJ06','Jordan 3'),('DN3707-100','CJ06','Jordan 3'),('DR5415-100','CJ02','Jordan 4'),
('DV1309-100','CJ01','Jordan 1'),('DV1748-601','CJ01','Jordan 1'),('DZ4137-700','CJ01','Jordan 1'),('DZ5485-010','CJ01',
'Jordan 1'),('DZ5485-100','CJ01','Jordan 1'),('DZ5485-106','CJ01','Jordan 1'),('DZ5485-400','CJ01','Jordan 1'),
('DZ5485-402','CJ01','Jordan 1'),('DZ5485-612','CJ01','Jordan 1'),('FQ7928-001','CJ02','Jordan 4'),('FQ8138-001','CJ02',
'Jordan 4'),('FQ8138-002','CJ02','Jordan 4'),('FQ8213-001','CJ02','Jordan 4'),('FQ8213-006','CJ02','Jordan 4'),
('FV5029-006','CJ02','Jordan 4'),('FV5029-100','CJ02','Jordan 4'),('FV5029-141','CJ02','Jordan 4'),('FV5104-006','CJ03',
'Jordan 11'),('FV5121-006','CJ03','Jordan 11'),('FZ4810-200','CJ02','Jordan 4'),('FZ4811-001','CJ06','Jordan 3'),
('FZ8117-102','CJ09','Jordan Jumpman'),('FZ8117-204','CJ09','Jordan Jumpman'),('HF1567-200','CJ01','Jordan 1'),
('HF3975-001','CJ07','Jordan 5'),('HF3976-001','CJ07','Jordan 5'),('HF4340-800','CJ02','Jordan 4'),('HV0823-003','CJ02',
'Jordan 4'),('HV0823-100','CJ02','Jordan 4'),('HV6674-067','CJ01','Jordan 1'),('HV8563-600','CJ01','Jordan 1'),
('HV8571-100','CJ06','Jordan 3'),('IB1482-100','CJ06','Jordan 3'),('IB4171-100','CJ02','Jordan 4'),('IB8967-004','CJ06',
'Jordan 3');

197 /*!40000 ALTER TABLE `jordan` ENABLE KEYS */;
198 UNLOCK TABLES;
199

```

Screenshot of a terminal window showing MySQL command-line interface (CLI) session for assignment 5.

```

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5
mysql > sqldump.sql
201 -- Table structure for table `nike`
202 --
203
204 DROP TABLE IF EXISTS `nike`;
205 /*!40101 SET @saved_cs_client      = @@character_set_client */;
206 /*!50503 SET character_set_client = utf8mb4 */;
207 CREATE TABLE `nike` (
208     `Shoe_ID` varchar(10) NOT NULL,
209     `Category_ID` varchar(10) DEFAULT NULL,
210     `Model` varchar(50) DEFAULT NULL,
211     PRIMARY KEY (`Shoe_ID`),
212     KEY `Category_ID` (`Category_ID`),
213     CONSTRAINT `nike_ibfk_1` FOREIGN KEY (`Shoe_ID`) REFERENCES `shoe_products` (`Shoe_ID`),
214     CONSTRAINT `nike_ibfk_2` FOREIGN KEY (`Category_ID`) REFERENCES `category` (`Category_ID`)
215 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
216 /*!40101 SET character_set_client = @saved_cs_client */;

217 --
218 --
219 -- Dumping data for table `nike`
220 --
221
222 LOCK TABLES `nike` WRITE;
223 /*!40000 ALTER TABLE `nike` DISABLE KEYS */;
224 INSERT INTO `nike` VALUES ('315122-001','CN01','Air Force 1'),('315122-111','CN01','Air Force 1'),('CD2563-101','CN03','SB Dunk'),('CD6404-100','CN04','P-6000'),('CN0149-001','CN04','P-6000'),('CU9225-001','CN01','Air Force 1'),('CZ0175-100','CN17','Air Zoom'),('CZ7871-001','CN05','Air Max'),('CZ8065-100','CN01','Air Force 1'),('DD1391-100','CN16','Dunk'),('DD1391-103','CN16','Dunk'),('DD1503-101','CN16','Dunk'),('DV0833-113','CN16','Dunk'),('FB2709-003','CN05','Air Max'),('FD0884-025','CN08','Zoom Vomero'),('FN0266-800','CN06','Kobe'),('FQ3545-300','CN06','Kobe'),('FQ3546-100','CN06','Kobe'),('FQ4303-400','CN07','Foamposite'),('FV4710-100','CN05','Air Max'),('FV4921-600','CN06','Kobe'),('FZ1291-600','CN03','SB Dunk'),('FZ1518-600','CN12','KD'),('FZ7333-002','CN06','Kobe'),('FZ8224-100','CN14','Diamond Turf'),('FZ8605-601','CN11','Ja'),('HF3058-300','CN03','SB Dunk'),('HF8022-300','CN03','SB Dunk'),('HJ4132-100','CN03','SB Dunk'),('HJ4209-010','CN06','Kobe'),('HJ5996-001','CN05','Air Max'),('HJ6014-400','CN07','Foamposite'),('HJ9346-100','CN01','Air Force 1'),('HM4740-001','CN05','Air Max'),('HM9621-900','CN06','Kobe'),('HM9936-001','CN05','Air Max'),('HQ2592-102','CN10','Zoom Pegasus'),('HQ3072-400','CN15','Field Jaxx'),('HQ3073-100','CN15','Field Jaxx'),('HQ3818-001','CN04','P-6000'),('HV4479-001','CN09','ReactX'),('HV5060-001','CN09','ReactX'),('HV5060-002','CN09','ReactX'),('HV5060-003','CN09','ReactX'),('HV5060-100','CN09','ReactX'),('IB4481-500','CN06','Kobe'),('IB8874-111','CN01','Air Force 1'),('IF0302-800','CN11','Ja'),('IF1617-600','CN18','Air DT');

225 /*!40000 ALTER TABLE `nike` ENABLE KEYS */;
226 UNLOCK TABLES;
227
228 --
229 -- Table structure for table `pricelistings`
230 --
231
232 DROP TABLE IF EXISTS `pricelistings`;

```

Terminal status bar: OKC - MIN Game score, Search, MS SQL, 10:05, 2025/05/27

COS-221---Assignment-5

```

mysql > sqldump.sql
230 --
231
232 DROP TABLE IF EXISTS `pricelisting`;
233 /*!40101 SET @saved_cs_client      = @@character_set_client */;
234 /*!50503 SET character_set_client = utf8mb4 */;
235 CREATE TABLE `pricelisting` (
236     `Price_ID` varchar(20) NOT NULL,
237     `Shoe_ID` varchar(10) DEFAULT NULL,
238     `Price` decimal(10,2) DEFAULT NULL,
239     `Retailer_ID` varchar(10) DEFAULT NULL,
240     `buy_link` varchar(100) DEFAULT NULL,
241     PRIMARY KEY (`Price_ID`),
242     KEY `Shoe_ID` (`Shoe_ID`),
243     KEY `Retailer_ID` (`Retailer_ID`),
244     CONSTRAINT `pricelisting_ibfk_1` FOREIGN KEY (`Shoe_ID`) REFERENCES `shoe_products` (`Shoe_ID`),
245     CONSTRAINT `pricelisting_ibfk_2` FOREIGN KEY (`Retailer_ID`) REFERENCES `retailer` (`Retailer_ID`)
246 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
247 /*!40101 SET character_set_client = @saved_cs_client */;

248 --
249 -- Dumping data for table `pricelisting`
250 --
251 --
252
253 LOCK TABLES `pricelisting` WRITE;
254 /*!40000 ALTER TABLE `pricelisting` DISABLE KEYS */;
255 INSERT INTO `pricelisting` VALUES ('153265-002_R001', '153265-002', '97.00', 'R001', 'https://stockx.com/air-jordan-12-retro-flu-game-2025-002'), ('153265-002_R002', '153265-002', '114.00', 'R002', 'https://www.flightclub.com/air-jordan-12-retro-gs-flu-game-2025-153265-002-25'), ('153265-002_R003', '153265-002', '114.00', 'R003', 'http://www.goat.com/sneakers/air-jordan-12-retro-gs-flu-game-2025-153265-002-25'), ('309755-01_R001', '309755-01', '110.00', 'R001', 'https://stockx.com/puma-lamelo-ball-mb01-iridescent'), ('309755-01_R002', '309755-01', '105.00', 'R002', 'https://www.flightclub.com/mb-01-iridescent-309755-01'), ('309755-01_R003', '309755-01', '105.00', 'R003', 'http://www.goat.com/sneakers/mb-01-iridescent-309755-01'), ('309847-01_R001', '309847-01', '65.00', 'R001', 'https://stockx.com/puma-lamelo-ball-mb03-porsche'), ('309847-01_R002', '309847-01', '75.00', 'R002', 'https://www.flightclub.com/porsche-x-mb-03-sport-yellow-309847-01'), ('309847-01_R003', '309847-01', '75.00', 'R003', 'http://www.goat.com/sneakers/porsche-x-mb-03-sport-yellow-309847-01'), ('310511-01_R001', '310511-01', '99.00', 'R001', 'https://stockx.com/puma-lamelo-ball-mb03-miami'), ('310511-01_R002', '310511-01', '80.00', 'R002', 'https://www.flightclub.com/mb-03-miami-310511-01'), ('310511-01_R003', '310511-01', '72.00', 'R003', 'http://www.goat.com/sneakers/mb-03-miami-310511-01'), ('310512-01_R001', '310512-01', '208.00', 'R001', 'https://stockx.com/puma-lamelo-ball-mb03-miami-gs'), ('310512-01_R002', '310512-01', '117.00', 'R002', 'https://www.flightclub.com/mb-03-jr-miami-310512-01'), ('310512-01_R003', '310512-01', '117.00', 'R003', 'http://www.goat.com/sneakers/mb-03-jr-miami-310512-01'), ('310519-01_R001', '310519-01', '102.00', 'R001', 'https://stockx.com/puma-lamelo-ball-mb03-lo-team-hyperlink-blue'), ('310519-01_R002', '310519-01', '76.00', 'R002', 'https://www.flightclub.com/mb-03-lo-team-blue-310519-01'), ('310519-01_R003', '310519-01', '75.00', 'R003', 'http://www.goat.com/sneakers/mb-03-lo-team-blue-310519-01'), ('310697-01_R001', '310697-01', '119.00', 'R001', 'https://stockx.com/puma-lamelo-ball-mb04-lafrance'), ('310697-01_R002', '310697-01', '94.00', 'R002', 'https://www.flightclub.com/lafrance-x-mb-04-love-rare-310697-01'), ('310697-01_R003', '310697-01', '93.00', 'R003', 'http://www.goat.com/sneakers/lafrance-x-mb-04-love-rare-310697-01'), ('310775-01_R001', '310775-01', '188.00', 'R001', 'https://stockx.com/puma-lamelo-ball-mb04-lafrance-gs'), ('310775-01_R002', '310775-01', '175.00', 'R002', 'https://www.flightclub.com/')

OKC - MIN
Game score
Search
10:05
2025/05/27

```



```

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5 ⌂ 08 ⌂ - ⌂ ⌂ ...
puma.html ⌂ nike.html ⌂ shoe-details.html ⌂ populateBrandCategories.js ⌂ sqldump.sql ⌂ .env ⌂ api.php ⌂ index.js M ⌂ ⌂ ⌂ ...
mysql > sqldump.sql
com/adidas-climacool-25-kith-off-white-light-brown'),('KI0565_R002','KI0565',237.00,'R002','https://www.flightclub.com/
kith-x-climamog-off-white-light-brown-ki0565'),('KI0565_R003','KI0565',236.00,'R003','http://www.goat.com/sneakers/
kith-x-climamog-off-white-light-brown-ki0565'),('NHK63-058_R001','NHK63-058',28.00,'R001','https://stockx.com/
nike-pro-hyperwarm-hood-balacalava-black');

256 /*!40000 ALTER TABLE `pricelist` ENABLE KEYS */;
257 UNLOCK TABLES;
258
259 --
260 -- Table structure for table `puma`
261 --
262
263 DROP TABLE IF EXISTS `puma`;
264 /*!40101 SET @saved_cs_client      = @@character_set_client */;
265 /*!50503 SET character_set_client = utf8mb4 */;
266 CREATE TABLE `puma` (
267   `Shoe_ID` varchar(10) NOT NULL,
268   `Category_ID` varchar(10) DEFAULT NULL,
269   `Model` varchar(50) DEFAULT NULL,
270   PRIMARY KEY (`Shoe_ID`),
271   KEY `Category_ID` (`Category_ID`),
272   CONSTRAINT `puma_ibfk_1` FOREIGN KEY (`Shoe_ID`) REFERENCES `shoe_products` (`Shoe_ID`),
273   CONSTRAINT `puma_ibfk_2` FOREIGN KEY (`Category_ID`) REFERENCES `category` (`Category_ID`)
274 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
275 /*!40101 SET character_set_client = @saved_cs_client */;
276
277 --

```

OKC - MIN Game score

Search

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5 ⌂ 08 ⌂ - ⌂ ⌂ ...
puma.html ⌂ nike.html ⌂ shoe-details.html ⌂ populateBrandCategories.js ⌂ sqldump.sql ⌂ .env ⌂ api.php ⌂ index.js M ⌂ ⌂ ⌂ ...
mysql > sqldump.sql
-- Dumping data for table `puma`
280
281 LOCK TABLES `puma` WRITE;
282 /\*!40000 ALTER TABLE `puma` DISABLE KEYS \*/;
283 INSERT INTO `puma` VALUES ('309755-01','CP01','MB.01'), ('309847-01','CP03','MB.03'), ('310511-01','CP03','MB.03'),
('310512-01','CP03','MB.03'), ('310519-01','CP03','MB.03'), ('310697-01','CP04','MB.04'), ('310775-01','CP04','MB.04'),
('310776-01','CP04','MB.04'), ('310836-01','CP04','MB.04'), ('311307-01','CP04','MB.04'), ('311308-01','CP04','MB.04'),
('311310-01','CP04','MB.04'), ('311318-01','CP04','MB.04'), ('311327-01','CP03','MB.03'), ('312055-01','CP04','MB.04'),
('374915-02','CP05','Suede'), ('376678-02','CP01','MB.01'), ('376848-01','CP01','MB.01'), ('376941-04','CP01','MB.01'),
('376941-07','CP01','MB.01'), ('377411-02','CP02','MB.02'), ('378916-01','CP03','MB.03'), ('379221-01','CP03','MB.03'),
('379223-01','CP01','MB.01'), ('379328-01','CP09','KidSuper'), ('379420-01','CP02','MB.02'), ('396520-01','CP05','Suede'),
('396521-01','CP05','Suede'), ('396524-01','CP05','Suede'), ('396525-01','CP05','Suede'), ('397330-05','CP07','Mostro'),
('398671-01','CP11','Avanti'), ('398846-01','CP06','Speedcat'), ('398846-02','CP06','Speedcat'), ('398846-12','CP06',
'Speedcat'), ('398846-31','CP06','Speedcat'), ('399606-01','CP12','Ghostbusters'), ('400986-02','CP06','Speedcat'),
('401208-01','CP08','Easy Rider'), ('401287-01','CP06','Speedcat'), ('401287-02','CP06','Speedcat'), ('401287-06','CP06',
'Speedcat'), ('401287-07','CP06','Speedcat'), ('401304-01','CP13','Teenage Mutant Ninja Turtles'), ('401305-01','CP13',
'Teenage Mutant Ninja Turtles'), ('401540-03','CP07','Mostro'), ('401581-01','CP06','Speedcat'), ('403587-01','CP06',
'Speedcat'), ('403903-01','CP06','Speedcat'), ('78300001','CP10','AC Milan'), ('783001-01','CP10','AC Milan');

284 /\*!40000 ALTER TABLE `puma` ENABLE KEYS \*/;
285 UNLOCK TABLES;
286
287 --
288 -- Table structure for table `rating`
289 --

OKC - MIN Game score

Search



```

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5
mysql > sqldump.sql
318
319  DROP TABLE IF EXISTS `retailer`;
320 /*!40101 SET @saved_cs_client      = @@character_set_client */;
321 /*!50503 SET character_set_client = utf8mb4 */;
322 CREATE TABLE `retailer` (
323     `Retailer_ID` varchar(10) NOT NULL,
324     `Contact_email` varchar(100) DEFAULT NULL,
325     `Phone` varchar(15) DEFAULT NULL,
326     `Retailer_Name` varchar(100) DEFAULT NULL,
327     `Website_URL` varchar(200) DEFAULT NULL,
328     PRIMARY KEY (`Retailer_ID`)
329 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
330 /*!40101 SET character_set_client = @saved_cs_client */;

331 --
332 -- Dumping data for table `retailer`
333 --
334 --
335
336 LOCK TABLES `retailer` WRITE;
337 /*!40000 ALTER TABLE `retailer` DISABLE KEYS */;
338 INSERT INTO `retailer` VALUES ('R001','support@stockx.com','0100000001','stockX','https://stockx.com'),('R002',
'support@flightclub.com','0100000002','flightClub','https://www.flightclub.com'),('R003','support@gearbest.com',
'0100000003','goat','https://www.gearbest.com'),('R004','support@stadiumgoods.com','0100000004','stadiumGoods','https://www.
stadiumgoods.com');
339 /*!40000 ALTER TABLE `retailer` ENABLE KEYS */;

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5
mysql > sqldump.sql
336 LOCK TABLES `retailer` WRITE;
337 /*!40000 ALTER TABLE `retailer` DISABLE KEYS */;
338 INSERT INTO `retailer` VALUES ('R001','support@stockx.com','0100000001','stockX','https://stockx.com'),('R002',
'support@flightclub.com','0100000002','flightClub','https://www.flightclub.com'),('R003','support@gearbest.com',
'0100000003','goat','https://www.gearbest.com'),('R004','support@stadiumgoods.com','0100000004','stadiumGoods','https://www.
stadiumgoods.com');
339 /*!40000 ALTER TABLE `retailer` ENABLE KEYS */;
340 UNLOCK TABLES;
341 --
342 --
343 -- Table structure for table `review`
344 --
345
346 DROP TABLE IF EXISTS `review`;
347 /*!40101 SET @saved_cs_client      = @@character_set_client */;
348 /*!50503 SET character_set_client = utf8mb4 */;
349 CREATE TABLE `review` (
350     `UserID` varchar(10) NOT NULL,
351     `Shoe_ID` varchar(10) NOT NULL,
352     `Comment` varchar(100) DEFAULT NULL,
353     PRIMARY KEY (`UserID`,`Shoe_ID`),
354     KEY `Shoe_ID` (`Shoe_ID`),
355     CONSTRAINT `review_ibfk_1` FOREIGN KEY (`UserID`) REFERENCES `users` (`UserID`),
356     CONSTRAINT `review_ibfk_2` FOREIGN KEY (`Shoe_ID`) REFERENCES `shoe_products` (`Shoe_ID`)
357 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

```

```

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5 ⌂ 08 ⌂ - ⌂ ⌂
puma.html nike.html shoe-details.html populateBrandCategories.js sqldump.sql .env api.php index.js M ⌂ ⌂ ⌂ ...
mysql > sqldump.sql

364 LOCK TABLES `review` WRITE;
365 /*!40000 ALTER TABLE `review` DISABLE KEYS */;
366 INSERT INTO `review` VALUES ('U101','AQ9129-170','A must-have for sneakerheads!',('U101','CZ0790-110','A must-have for
sneakerheads!'),('U101','FZ8605-401','Great grip and comfort.'),('U102','TR8532-031','Looks amazing with any fit.'),
('U102','HV4479-001','Looks amazing with any fit.'),('U102','JR3915','Feels a bit tight but stylish.'),('U103',
'315122-001','Feels a bit tight but stylish.'),('U103','398846-12','Great grip and comfort.'),('U103','FZ8224-100',
'High quality material and finish.'),('U104','403587-01','Looks amazing with any fit.'),('U104','CD6404-100','Looks
amazing with any fit.'),('U104','HQ8708','Feels a bit tight but stylish.'),('U105','DN3707-010','Feels a bit tight but
stylish.'),('U105','HJ5996-001','Feels a bit tight but stylish.'),('U105','IF3219','A must-have for sneakerheads!');
367 /*!40000 ALTER TABLE `review` ENABLE KEYS */;
368 UNLOCK TABLES;
369
370 --
371 -- Table structure for table `shoe_products`
372 --
373
374 DROP TABLE IF EXISTS `shoe_products`;
375 /*!40101 SET @saved_cs_client      = @@character_set_client */;
376 /*!50503 SET character_set_client = utf8mb4 */;
377 CREATE TABLE `shoe_products` (
378   `Shoe_ID` varchar(10) NOT NULL,
379   `Name` varchar(50) DEFAULT NULL,
380   `Brand_ID` varchar(10) DEFAULT NULL,
381   `Color` varchar(20) DEFAULT NULL,
382   `Size` int DEFAULT NULL,
383   `UserID` varchar(10) DEFAULT NULL,
384   `image_URL` varchar(1000) DEFAULT NULL,
385   `Release_Date` date DEFAULT NULL,
386   `Description` text,
387   PRIMARY KEY (`Shoe_ID`),
388   KEY `UserID` (`UserID`),
389   CONSTRAINT `shoe_products_ibfk_1` FOREIGN KEY (`UserID`) REFERENCES `users` (`UserID`)
390   ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4_0900_ai_ci;
391 /*!40101 SET character_set_client = @saved_cs_client */;

373
374 DROP TABLE IF EXISTS `shoe_products`;
375 /*!40101 SET @saved_cs_client      = @@character_set_client */;
376 /*!50503 SET character_set_client = utf8mb4 */;
377 CREATE TABLE `shoe_products` (
378   `Shoe_ID` varchar(10) NOT NULL,
379   `Name` varchar(50) DEFAULT NULL,
380   `Brand_ID` varchar(10) DEFAULT NULL,
381   `Color` varchar(20) DEFAULT NULL,
382   `Size` int DEFAULT NULL,
383   `UserID` varchar(10) DEFAULT NULL,
384   `image_URL` varchar(1000) DEFAULT NULL,
385   `Release_Date` date DEFAULT NULL,
386   `Description` text,
387   PRIMARY KEY (`Shoe_ID`),
388   KEY `UserID` (`UserID`),
389   CONSTRAINT `shoe_products_ibfk_1` FOREIGN KEY (`UserID`) REFERENCES `users` (`UserID`)
390   ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4_0900_ai_ci;
391 /*!40101 SET character_set_client = @saved_cs_client */;

397 LOCK TABLES `shoe_products` WRITE;
398 /*!40000 ALTER TABLE `shoe_products` DISABLE KEYS */;

```

13°C Sunny 10:09 2025/05/27

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5 ⌂ 08 ⌂ - ⌂ ⌂
puma.html nike.html shoe-details.html populateBrandCategories.js sqldump.sql .env api.php index.js M ⌂ ⌂ ⌂ ...
mysql > sqldump.sql

The screenshot shows two terminal windows side-by-side, both running on a Mac OS X desktop environment.

**Left Terminal Window:**

- Contains a MySQL session with the following command history:

```
mysql > use sqldump.sql
396
397 LOCK TABLES `shoe_products` WRITE;
398 /*!40000 ALTER TABLE `shoe_products` DISABLE KEYS */;
399 INSERT INTO `shoe_products` VALUES ('153265-002','Jordan 12 Retro Flu Game (2025) (GS)', 'Jordan', 'Black/Varsity Red', 9, 'U101', 'https://images.stockx.com/images/Air-Jordan-12-Retro-Flu-Game-2025-GS-Product.jpg?fit=fill&bg=FFFFFF&w=700&h=500&fm=webp&auto=compress&trim=color&q=90&dpr=2&updated_at=1740684307', '2025-03-01', 'The 2025 version of the Air Jordan 12 Retro GS \'Flu Game\' nods back to an ailing Michael Jordan, who suited up and dominated Game 5 of the 1997 NBA Finals. A black tumbled leather upper gets radiating stitch lines and red, lizard-textured overlays. More red complements the rubber outsole, tooled with herringbone traction pods and an exposed carbon fiber shank plate for stability.', '309755-01', 'Puma LaMelo Ball MB.01 Iridescent', 'Puma', 'Lilac Chiffon/Light', 9, 'U101', 'https://images.stockx.com/images/Puma-LaMelo-Ball-MB01-Iridescent-Product.jpg?fit=fill&bg=FFFFFF&w=700&h=500&fm=webp&auto=compress&trim=color&q=90&dpr=2&updated_at=1738193358', '2024-02-02', 'Rocking a subtle lilac hue, the PUMA MB.01 [Iridescent] has an engineered mesh upper, highlighted by embroidered details and bolstered with matching overlays. LaMelo Ball's wings logo graces the tongue, matching the aqua Formstrip and the [1 of 1] tagline found on both sides of the forefoot. PUMA's NITROFOAM midsole keeps every step soft and lightweight.'), ('309847-01', 'Puma LaMelo Ball MB.03 Porsche', 'Puma', 'Sport Yellow/Sport Y', 9, 'U101', 'https://images.stockx.com/images/Puma-LaMelo-Ball-MB03-Porsche-Product.jpg?fit=fill&bg=FFFFFF&w=700&h=500&fm=webp&auto=compress&trim=color&q=90&dpr=2&updated_at=1738193358', '2024-02-17', 'The Porsche x PUMA MB.03 \'Sport Yellow\' dons an engineered mesh upper bolstered with suede details on the forefoot and eyestay. Claw marks throughout the upper give them a rugged look. A Porsche Turbo signoff can be found on the bottom eyestay, while both logos adorn the padded heel. The NITROFOAM midsole has speckled details throughout, anchored by a wave-pattern rubber outsole that bleeds into different sections of the upper.'), ('310511-01', 'Puma LaMelo Ball MB.03 Miami', 'Puma', 'Teal/Pink', 9, 'U101', 'https://images.stockx.com/images/Puma-LaMelo-Ball-MB03-Miami-Product.jpg?fit=fill&bg=FFFFFF&w=700&h=500&fm=webp&auto=compress&trim=color&q=90&dpr=2&updated_at=1738193358', '2024-07-05', 'No description available'), ('310512-01', 'Puma LaMelo Ball MB.03 Miami (GS)', 'Puma', 'Teal/Pink', 9, 'U101', 'https://images.stockx.com/images/Puma-LaMelo-Ball-MB03-Miami-GS-Product.jpg?fit=fill&bg=FFFFFF&w=700&h=500&fm=webp&auto=compress&trim=color&q=90&dpr=2&updated_at=1738193358', '2024-07-01', 'No description available'))
```
- Shows the MySQL prompt: `mysql >`

**Right Terminal Window:**

- Contains a MySQL session with the following command history:

```
mysql > use sqldump.sql
400
401 UNLOCK TABLES;
402
403 --
404 -- Table structure for table `sneakers`;
405 --
406
407 DROP TABLE IF EXISTS `sneakers`;
408 /*!40101 SET @saved_cs_client      = @@character_set_client */;
409 /*!50503 SET character_set_client = utf8mb4 */;
410 CREATE TABLE `sneakers` (
411   `Category_ID` varchar(10) NOT NULL,
412   `S_type` varchar(20) DEFAULT NULL,
413   PRIMARY KEY (`Category_ID`),
414   CONSTRAINT `sneakers_ibfk_1` FOREIGN KEY (`Category_ID`) REFERENCES `category` (`Category_ID`)
415 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
416 /*!40101 SET character_set_client = @saved_cs_client */;
```
- Shows the MySQL prompt: `mysql >`

Both terminals have a standard Mac OS X dock at the bottom with various application icons. The top of the screen shows the system tray with battery status, signal strength, and date/time (10:12, 2025/05/27).

The screenshot shows two nearly identical terminal windows side-by-side, both displaying a MySQL dump script for a 'users' table. The script includes table creation, data definition, and a primary key constraint. The bottom window also shows a single INSERT INTO statement being typed.

```
mysql > -- Dumping data for table `users`  
420 --  
421 LOCK TABLES `users` WRITE;  
422 /*!40000 ALTER TABLE `users` DISABLE KEYS */;  
423 /*!40000 ALTER TABLE `users` ENABLE KEYS */;  
424 UNLOCK TABLES;  
425  
426 --  
427 -- Table structure for table `users`  
428 --  
429  
430 DROP TABLE IF EXISTS `users`;  
431 /*!40101 SET @saved_cs_client      = @@character_set_client */;  
432 /*!50503 SET character_set_client = utf8mb4 */;  
433 CREATE TABLE `users` (  
434     `UserID` varchar(10) NOT NULL,  
435     `Fname` varchar(50) DEFAULT NULL,  
436     `Lname` varchar(50) DEFAULT NULL,  
437     `Age` int DEFAULT NULL,  
438     `Email` varchar(100) DEFAULT NULL,  
439     `Password` varchar(20) DEFAULT NULL,  
440     `Phone_nr` varchar(15) DEFAULT NULL,  
441     `API_Key` varchar(255) DEFAULT NULL,  
442     `Country` varchar(100) DEFAULT NULL,  
443     PRIMARY KEY (`UserID`)  
444 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;  
445 /*!40101 SET character_set_client = @saved_cs_client */;  
446  
447 --  
448 -- Dumping data for table `users`  
449 --  
450  
451  
452 LOCK TABLES `users` WRITE;  
453 /*!40000 ALTER TABLE `users` DISABLE KEYS */;  
454 INSERT INTO `users` VALUES ('A001', 'Admin', 'Noidaa', 'admin@example.com', 'adminpass1', '0912345678', 'admin@outlook.com')
```

Screenshot of a terminal window showing a MySQL dump script named `sqldump.sql`. The script contains SQL commands to create a database, create tables, insert data into tables, and perform various database operations like locking and unlocking tables.

```

File Edit Selection View Go Run ... ← → ⌂ COS-221---Assignment-5 ⌂ 08 - ⌂ ...
puma.html nike.html shoe-details.html populateBrandCategories.js sqldump.sql .env api.php index.js ...
mysql > sqldump.sql

449 -- Dumping data for table `users`
450 --
451 LOCK TABLES `users` WRITE;
452 /*!40000 ALTER TABLE `users` DISABLE KEYS */;
453 INSERT INTO `users` VALUES ('A001','Admin','Naidoo',35,'admin.naidoo@example.com','adminpass1','0812345670','adminkey1','South Africa'),('A002','Admin','Moosa',40,'admin.moosa@example.com','adminpass2','0812345671','adminkey2','South Africa'),('A003','Admin','Van Wyk',38,'admin.vanwyk@example.com','adminpass3','0812345672','adminkey3','South Africa'),('U101','Layla','Smith',22,'layla@example.com','pass123','0712345678','key101','South Africa'),('U102','Zayd','Ali',24,'zayd@example.com','pass123','0712345679','key102','South Africa'),('U103','Amira','Khan',21,'amira@example.com','pass123','0712345680','key103','South Africa'),('U104','Tariq','Patel',23,'tariq@example.com','pass123','0712345681','key104','South Africa'),('U105','Fatima','Desai',25,'fatima@example.com','pass123','0712345682','key105','South Africa');
454 /*!40000 ALTER TABLE `users` ENABLE KEYS */;
455 UNLOCK TABLES;
456 /*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;
457 
458 /*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
459 /*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
460 /*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
461 /*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
462 /*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
463 /*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
464 /*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;
465 
466

```

Screenshot of MySQL Workbench showing a SQL file named `shoe_api.sql`. The file contains SQL commands to alter the root user password, disable foreign key checks, and truncate multiple tables in the `shoe_api` schema.

```

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'Mishka28';
FLUSH PRIVILEGES;

-- Disable foreign key checks temporarily
SET FOREIGN_KEY_CHECKS = 0;

-- Truncate tables in the correct order (to avoid foreign key errors)
/*TRUNCATE TABLE pricelist;
TRUNCATE TABLE Review;
TRUNCATE TABLE Rating;
TRUNCATE TABLE Feedback;
TRUNCATE TABLE Shoe_Images;
TRUNCATE TABLE As_Per;
TRUNCATE TABLE Nike;
TRUNCATE TABLE Adidas;
TRUNCATE TABLE Jordan;
TRUNCATE TABLE Puma;
TRUNCATE TABLE Categorie;*/

Object Info Session Action Output

```

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SQL File 1 shoe\_api ×

```

28 -- Enable foreign key checks again
29 • SET FOREIGN_KEY_CHECKS = 1;
30
31 • CREATE TABLE IF NOT EXISTS Users (
32     UserID VARCHAR(10) PRIMARY KEY,
33     Fname VARCHAR(50),
34     Lname VARCHAR(50),
35     Age INT,
36     Email VARCHAR(100),
37     Password VARCHAR(20),
38     Phone_nr VARCHAR(15),
39     API_Key VARCHAR(255),
40     Country VARCHAR(100)
41 );
42
43 • CREATE TABLE IF NOT EXISTS Admin_Users (
44     UserID VARCHAR(10) PRIMARY KEY,
45     Admin_ID VARCHAR(10),
46     FOREIGN KEY (UserID) REFERENCES Users(UserID)
47 );
48
49 • CREATE TABLE IF NOT EXISTS Casual_Users (
50     UserID VARCHAR(10) PRIMARY KEY,
51     FOREIGN KEY (UserID) REFERENCES Users(UserID)
52 );
53
54 • CREATE TABLE IF NOT EXISTS Retailer (
55     Retailer_ID VARCHAR(10) PRIMARY KEY,
56     Contact_email VARCHAR(100),
57     Phone VARCHAR(15),
58     Retailer_Name VARCHAR(100)
59 );
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MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

newschema  
shoe\_api

Tables

- adidas
- admin
- as\_per
- casual
- catego
- feedba
- jordan
- nike
- pricelis
- puma

Administration

Information

Schema: shoe\_api

SQL File 1 shoe\_api ×

```

52 } ;
53
54 • CREATE TABLE IF NOT EXISTS Retailer (
55     Retailer_ID VARCHAR(10) PRIMARY KEY,
56     Contact_email VARCHAR(100),
57     Phone VARCHAR(15),
58     Retailer_Name VARCHAR(100),
59     Website_URL VARCHAR(200)
60 );
61
62 • CREATE TABLE IF NOT EXISTS Shoe_Products (
63     Shoe_ID VARCHAR(10) PRIMARY KEY,
64     Name VARCHAR(50),
65     Brand_ID VARCHAR(10),
66     Color VARCHAR(20),
67     Size INT,
68     UserID VARCHAR(10),
69     -- Retailer_ID VARCHAR(10),
70     image_URL VARCHAR(1000)
71 );
72
73 FOREIGN KEY (UserID) REFERENCES Users(UserID)
74     -- FOREIGN KEY (Retailer_ID) REFERENCES Retailer(Retailer_ID)
75 );
76
77 • CREATE TABLE IF NOT EXISTS Category (
78     Category_ID VARCHAR(10) PRIMARY KEY
79 );
80

```

Output

Object Info Session Action Output

16°C Sunny

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

newschema  
shoe\_api

Tables

- adidas
- admin
- as\_per
- casual
- catego
- feedba
- jordan
- nike
- pricelis
- puma

Administration

Information

Schema: shoe\_api

SQL File 1 shoe\_api ×

```

61
62 • CREATE TABLE IF NOT EXISTS Shoe_Products (
63     Shoe_ID VARCHAR(10) PRIMARY KEY,
64     Name VARCHAR(50),
65     Brand_ID VARCHAR(10),
66     Color VARCHAR(20),
67     Size INT,
68     UserID VARCHAR(10),
69     -- Retailer_ID VARCHAR(10),
70     image_URL VARCHAR(1000),
71     Release_Date date,
72     Description text,
73     FOREIGN KEY (UserID) REFERENCES Users(UserID)
74     -- FOREIGN KEY (Retailer_ID) REFERENCES Retailer(Retailer_ID)
75 );
76
77 • CREATE TABLE IF NOT EXISTS Category (
78     Category_ID VARCHAR(10) PRIMARY KEY
79 );
80

```

Output

Object Info Session Action Output

16°C Sunny

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS newschema shoe\_api

Tables adidas admin as\_per casual catego feedba jordan nike pricelis puma

Administration Information Schema: shoe\_api

SQL File 1 shoe\_api.sql

```
73     FOREIGN KEY (UserID) REFERENCES Users(UserID)
74     -- FOREIGN KEY (Retailer_ID) REFERENCES Retailer(Retailer_ID)
75   );
76
77 • CREATE TABLE IF NOT EXISTS Category (
78   Category_ID VARCHAR(10) PRIMARY KEY
79 );
80
81 • CREATE TABLE IF NOT EXISTS As_Per (
82   Shoe_ID VARCHAR(10),
83   Category_ID VARCHAR(10),
84   PRIMARY KEY (Shoe_ID, Category_ID),
85   FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
86   FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
87 );
88
89
90 • CREATE TABLE IF NOT EXISTS Sneakers (
91   Category_ID VARCHAR(10) PRIMARY KEY,
92   S_type VARCHAR(20),
93   FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
94 );
95
96 • CREATE TABLE IF NOT EXISTS Nike (
97   Shoe_ID VARCHAR(10) PRIMARY KEY,
98   FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
99   FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
100 );
```

Output

Object Info Session Action Output

16°C Sunny 10:26 2025/05/27

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS newschema shoe\_api

Tables adidas admin as\_per casual catego feedba jordan nike pricelis puma

Administration Information Schema: shoe\_api

SQL File 1 shoe\_api.sql

```
79   );
80
81 • CREATE TABLE IF NOT EXISTS As_Per (
82   Shoe_ID VARCHAR(10),
83   Category_ID VARCHAR(10),
84   PRIMARY KEY (Shoe_ID, Category_ID),
85   FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
86   FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
87 );
88
89
90 • CREATE TABLE IF NOT EXISTS Sneakers (
91   Category_ID VARCHAR(10) PRIMARY KEY,
92   S_type VARCHAR(20),
93   FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
94 );
95
96 • CREATE TABLE IF NOT EXISTS Nike (
97   Shoe_ID VARCHAR(10) PRIMARY KEY,
98   FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
99   FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
100 );
```

Output

Object Info Session Action Output

16°C Sunny 10:26 2025/05/27

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS newschema shoe\_api

SQL File 1 shoe\_api

```
88
89
90 • CREATE TABLE IF NOT EXISTS Sneakers (
91     Category_ID VARCHAR(10) PRIMARY KEY,
92     S_type VARCHAR(20),
93     FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
94 );
95
96 • CREATE TABLE IF NOT EXISTS Nike (
97     Shoe_ID VARCHAR(10) PRIMARY KEY,
98     Category_ID VARCHAR(10),
99     Model VARCHAR(50),
100    FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
101    FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
102 );
103
104
105
106 • CREATE TABLE IF NOT EXISTS Adidas (
107
108
109
110
111
112
113
114
115
116
117
```

Output

Object Info Session Action Output

16°C Sunny 10:26 2025/05/27

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS newschema shoe\_api

SQL File 1 shoe\_api

```
94 );
95
96 • CREATE TABLE IF NOT EXISTS Nike (
97     Shoe_ID VARCHAR(10) PRIMARY KEY,
98     Category_ID VARCHAR(10),
99     Model VARCHAR(50),
100    FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
101    FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
102 );
103
104
105
106 • CREATE TABLE IF NOT EXISTS Adidas (
107     Shoe_ID VARCHAR(10) PRIMARY KEY,
108     Category_ID VARCHAR(10),
109     Model VARCHAR(50),
110     FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
111     FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
112 );
113
114
115
116
117
```

Output

Object Info Session Action Output

16°C Sunny 10:26 2025/05/27

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS newschema shoe\_api

SQL File 1 shoe\_api ×

```
106 • CREATE TABLE IF NOT EXISTS Adidas (
107     Shoe_ID VARCHAR(10) PRIMARY KEY,
108     Category_ID VARCHAR(10),
109     Model VARCHAR(50),
110     FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
111     FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
112 );
113
114 • CREATE TABLE IF NOT EXISTS Jordan (
115     Shoe_ID VARCHAR(10) PRIMARY KEY,
116     Category_ID VARCHAR(10),
117     Model VARCHAR(50),
118     FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
119     FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
120 );
121
122 • CREATE TABLE IF NOT EXISTS Puma (
123     Shoe_ID VARCHAR(10) PRIMARY KEY,
124     Category_ID VARCHAR(10)
```

Output

Object Info Session Action Output

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS newschema shoe\_api

SQL File 1 shoe\_api ×

```
118     FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
119     FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
120 );
121
122 • CREATE TABLE IF NOT EXISTS Puma (
123     Shoe_ID VARCHAR(10) PRIMARY KEY,
124     Category_ID VARCHAR(10),
125     Model VARCHAR(50),
126     FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
127     FOREIGN KEY (Category_ID) REFERENCES Category(Category_ID)
128 );
129
130 • drop table if exists shoe_images;
131
132
133
134
135 • CREATE TABLE IF NOT EXISTS Feedback (
136     HeadID VARCHAR(10)
```

Output

Object Info Session Action Output

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

newschema  
shoe\_api

Tables

adidas  
admin  
as\_per  
casual  
catego  
feedba  
jordan  
nike  
pricelis  
puma

SQL File 1 shoe\_api

133  
134  
135 • CREATE TABLE IF NOT EXISTS Feedback (  
136     UserID VARCHAR(10),  
137     Shoe\_ID VARCHAR(10),  
138     PRIMARY KEY (UserID, Shoe\_ID),  
139     FOREIGN KEY (UserID) REFERENCES Users(UserID),  
140     FOREIGN KEY (Shoe\_ID) REFERENCES Shoe\_Products(Shoe\_ID)  
141 );  
142  
143 • CREATE TABLE IF NOT EXISTS Rating (  
144     UserID VARCHAR(10),  
145     Shoe\_ID VARCHAR(10),  
146     Score INT,  
147     PRIMARY KEY (UserID, Shoe\_ID),  
148     FOREIGN KEY (UserID) REFERENCES Users(UserID),  
149     FOREIGN KEY (Shoe\_ID) REFERENCES Shoe\_Products(Shoe\_ID)  
150 );  
151

Output

Object Info Session Action Output

16°C Sunny 10:27 2025/05/27

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

newschema  
shoe\_api

Tables

adidas  
admin  
as\_per  
casual  
catego  
feedba  
jordan  
nike  
pricelis  
puma

SQL File 1 shoe\_api

142  
143 • CREATE TABLE IF NOT EXISTS Rating (  
144     UserID VARCHAR(10),  
145     Shoe\_ID VARCHAR(10),  
146     Score INT,  
147     PRIMARY KEY (UserID, Shoe\_ID),  
148     FOREIGN KEY (UserID) REFERENCES Users(UserID),  
149     FOREIGN KEY (Shoe\_ID) REFERENCES Shoe\_Products(Shoe\_ID)  
150 );  
151  
152 • CREATE TABLE IF NOT EXISTS Review (  
153     UserID VARCHAR(10),  
154     Shoe\_ID VARCHAR(10),  
155     Comment VARCHAR(100),  
156     PRIMARY KEY (UserID, Shoe\_ID),  
157     FOREIGN KEY (UserID) REFERENCES Users(UserID),  
158     FOREIGN KEY (Shoe\_ID) REFERENCES Shoe\_Products(Shoe\_ID)  
159 );  
160

Output

Object Info Session Action Output

16°C Sunny 10:27 2025/05/27

The screenshot shows the MySQL Workbench interface with the following details:

- File Menu:** File, Edit, View, Query, Database, Server, Tools, Scripting, Help.
- Schemas:** newschema, shoe\_api (selected).
- Tables:** adidas, admin, as\_per, casual, catogo, feedba, jordan, nike, pricelis, puma.
- SQL Editor:** SQL File 1 titled "shoe\_api". The code is as follows:

```
151 CREATE TABLE IF NOT EXISTS Review (
152     UserID VARCHAR(10),
153     Shoe_ID VARCHAR(10),
154     Comment VARCHAR(100),
155     PRIMARY KEY (UserID, Shoe_ID),
156     FOREIGN KEY (UserID) REFERENCES Users(UserID),
157     FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID)
158 );
159
160 -- DROP TABLE IF EXISTS PriceListing;
161
162
163 CREATE TABLE IF NOT EXISTS PriceListing (
164     Price_ID VARCHAR(20) PRIMARY KEY,
165     Shoe_ID VARCHAR(10),
166     Price DECIMAL(10,2),
167     Retailer_ID VARCHAR(10),
168     buy_link VARCHAR(100),
169     FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID)
```

**Object Info** tab is selected at the bottom.

The screenshot shows the MySQL Workbench interface. The left sidebar displays the schema structure under 'shoe\_api'. The main pane contains two SQL queries:

```
163 • CREATE TABLE IF NOT EXISTS Pricelisting (
164     Price_ID VARCHAR(20) PRIMARY KEY,
165     Shoe_ID VARCHAR(10),
166     Price DECIMAL(10,2),
167     Retailer_ID VARCHAR(10),
168     buy_link VARCHAR(100),
169     FOREIGN KEY (Shoe_ID) REFERENCES Shoe_Products(Shoe_ID),
170     FOREIGN KEY (Retailer_ID) REFERENCES Retailer(Retailer_ID)
171 );
172
173
174
175
176 • INSERT IGNORE INTO Users (UserID, Fname, Lname, Age, Email, Password, Phone_nr, API_Key, Country) VALUES
177 ('U101', 'Layla', 'Smith', 22, 'layla@example.com', 'pass123', '0712345678', 'key101', 'South Africa'),
178 ('U102', 'Zayd', 'Ali', 24, 'zayd@example.com', 'pass123', '0712345679', 'key102', 'South Africa'),
179 ('U103', 'Amira', 'Khan', 21, 'amira@example.com', 'pass123', '0712345680', 'key103', 'South Africa'),
180 ('U104', 'Tariq', 'Patel', 23, 'tariq@example.com', 'pass123', '0712345681', 'key104', 'South Africa'),
181 ('U105', 'Entia', 'Dorai', 25, 'entia@example.com', 'pass123', '0712345682', 'key105', 'South Africa')
```

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schema: shoe\_api

SQL File 1: shoe\_api.sql

```

175
176 • INSERT IGNORE INTO Users (UserID, Fname, Lname, Age, Email, Password, Phone_nr, API_Key, Country) VALUES
177 ('U101', 'Layla', 'Smith', 22, 'layla@example.com', 'pass123', '0712345678', 'key101', 'South Africa'),
178 ('U102', 'Zayd', 'Ali', 24, 'zayd@example.com', 'pass123', '0712345679', 'key102', 'South Africa'),
179 ('U103', 'Amira', 'Khan', 21, 'amira@example.com', 'pass123', '0712345680', 'key103', 'South Africa'),
180 ('U104', 'Tariq', 'Patel', 23, 'tariq@example.com', 'pass123', '0712345681', 'key104', 'South Africa'),
181 ('U105', 'Fatima', 'Desai', 25, 'fatima@example.com', 'pass123', '0712345682', 'key105', 'South Africa');
182
183 -- Link the same users as Casual_Users
184 • INSERT ignore INTO Casual_Users (UserID) VALUES
185 ('U101'), ('U102'), ('U103'), ('U104'), ('U105');
186
187 • INSERT IGNORE INTO Users (UserID, Fname, Lname, Age, Email, Password, Phone_nr, API_Key, Country) VALUES
188 ('A001', 'Admin', 'Naidoo', 35, 'admin.naidoo@example.com', 'adminpass1', '0812345670', 'adminkey1', 'South Africa'),
189 ('A002', 'Admin', 'Moosa', 40, 'admin.moosa@example.com', 'adminpass2', '0812345671', 'adminkey2', 'South Africa'),
190 ('A003', 'Admin', 'Van Wyk', 38, 'admin.vanwyk@example.com', 'adminpass3', '0812345672', 'adminkey3', 'South Africa');
191
192 • INSERT IGNORE INTO Admin_Users (UserID, Admin_ID) VALUES
193 ('A001', 'ADM001');

```

Output:

Object Info Session Action Output

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schema: shoe\_api

SQL File 1: shoe\_api.sql

```

184 • INSERT ignore INTO Casual_Users (UserID) VALUES
185 ('U101'), ('U102'), ('U103'), ('U104'), ('U105');
186
187 • INSERT IGNORE INTO Users (UserID, Fname, Lname, Age, Email, Password, Phone_nr, API_Key, Country) VALUES
188 ('A001', 'Admin', 'Naidoo', 35, 'admin.naidoo@example.com', 'adminpass1', '0812345670', 'adminkey1', 'South Africa'),
189 ('A002', 'Admin', 'Moosa', 40, 'admin.moosa@example.com', 'adminpass2', '0812345671', 'adminkey2', 'South Africa'),
190 ('A003', 'Admin', 'Van Wyk', 38, 'admin.vanwyk@example.com', 'adminpass3', '0812345672', 'adminkey3', 'South Africa');
191
192 • INSERT IGNORE INTO Admin_Users (UserID, Admin_ID) VALUES
193 ('A001', 'ADM001'),
194 ('A002', 'ADM002'),
195 ('A003', 'ADM003');
196 -- ↪ Insert popular shoe categories
197
198 • INSERT IGNORE INTO Category (Category_ID) VALUES
199 -- Jordan
200 ('CJ01'), ('CJ02'), ('CJ03'), ('CJ04'), ('CJ05'),
201 ('CJ06'), ('CJ07'), ('CJ08'), ('CJ09'),
202

```

Output:

Object Info Session Action Output

MySQL Workbench

Local instance MySQL8.0 ×

File Edit View Query Database Server Tools Scripting Help

Navigator SQL File 1 shoe\_api ×

SCHEMAS Filter objects

newschema shoe\_api

- Tables
  - adidas
  - admin
  - as\_per
  - casual
  - catego
  - feedba
  - jordan
  - nike
  - priceli
  - puma

Administration Information

Schema: shoe\_api

```

190 ('A003', 'Admin', 'Van Wyk', 38, 'admin.vanwyk@example.com', 'adminpass3', '0812345672', 'adminkey3', 'South Africa');
191
192 • INSERT IGNORE INTO Admin_Users (UserID, Admin_ID) VALUES
193 ('A001', 'ADM001'),
194 ('A002', 'ADM002'),
195 ('A003', 'ADM003');
196 -- Insert popular shoe categories
197
198 • INSERT IGNORE INTO Category (Category_ID) VALUES
199 -- Jordan
200 ('CJ01'), ('CJ02'), ('CJ03'), ('CJ04'), ('CJ05'),
201 ('CJ06'), ('CJ07'), ('CJ08'), ('CJ09'),
202
203 -- Nike
204 ('CN01'), ('CN02'), ('CN03'), ('CN04'), ('CN05'),
205 ('CN06'), ('CN07'), ('CN08'), ('CN09'), ('CN10'),
206 ('CN11'), ('CN12'), ('CN13'), ('CN14'), ('CN15'),
207 ('CN16'), ('CN17'), ('CN18'),
208
209 -- Adidas
210 ('CA01'), ('CA02'), ('CA03'), ('CA04'), ('CA05'),
211 ('CA06'), ('CA07'), ('CA08'), ('CA09'), ('CA10'),
212 ('CA11'), ('CA12'), ('CA13'), ('CA14'), ('CA15'),
213 ('CA16'), ('CA17'), ('CA18'), ('CA19'), ('CA20'),
214

```

Output

Object Info Session Action Output

16°C Sunny 10:28 2025/05/27

MySQL Workbench

Local instance MySQL8.0 ×

File Edit View Query Database Server Tools Scripting Help

Navigator SQL File 1 shoe\_api ×

SCHEMAS Filter objects

newschema shoe\_api

- Tables
  - adidas
  - admin
  - as\_per
  - casual
  - catego
  - feedba
  - jordan
  - nike
  - priceli
  - puma

Administration Information

Schema: shoe\_api

```

196 -- Insert popular shoe categories
197
198 • INSERT IGNORE INTO Category (Category_ID) VALUES
199 -- Jordan
200 ('CJ01'), ('CJ02'), ('CJ03'), ('CJ04'), ('CJ05'),
201 ('CJ06'), ('CJ07'), ('CJ08'), ('CJ09'),
202
203 -- Nike
204 ('CN01'), ('CN02'), ('CN03'), ('CN04'), ('CN05'),
205 ('CN06'), ('CN07'), ('CN08'), ('CN09'), ('CN10'),
206 ('CN11'), ('CN12'), ('CN13'), ('CN14'), ('CN15'),
207 ('CN16'), ('CN17'), ('CN18'),
208
209 -- Adidas
210 ('CA01'), ('CA02'), ('CA03'), ('CA04'), ('CA05'),
211 ('CA06'), ('CA07'), ('CA08'), ('CA09'), ('CA10'),
212 ('CA11'), ('CA12'), ('CA13'), ('CA14'), ('CA15'),
213 ('CA16'), ('CA17'), ('CA18'), ('CA19'), ('CA20'),
214

```

Output

Object Info Session Action Output

16°C Sunny 10:28 2025/05/27

MySQL Workbench

Local instance MySQL8.0 x

File Edit View Query Database Server Tools Scripting Help

Navigator SQL File 1 shoe\_api.x

SCHEMAS newschema shoe\_api

Tables adidas admin\_as\_per casual\_catego feedba jordan nike pricelis puma

Don't Limit

```

216 ('CP01'), ('CP02'), ('CP03'), ('CP04'), ('CP05'),
217 ('CP06'), ('CP07'), ('CP08'), ('CP09'), ('CP10'),
218 ('CP11'), ('CP12'), ('CP13');

224 • INSERT ignore INTO Retailer (Retailer_ID, Contact_email, Phone, Retailer_Name, Website_URL) VALUES
225 ('R001', 'support@stockx.com', '0100000001', 'stockX', 'https://stockx.com'),
226 ('R002', 'support@flightclub.com', '0100000002', 'flightClub', 'https://www.flightclub.com'),
227 ('R003', 'support@gearbest.com', '0100000003', 'gearBest', 'https://www.gearbest.com'),
228 ('R004', 'support@stadiumgoods.com', '0100000004', 'stadiumGoods', 'https://www.stadiumgoods.com');

229
230
231 • USE shoe_api;
232
233

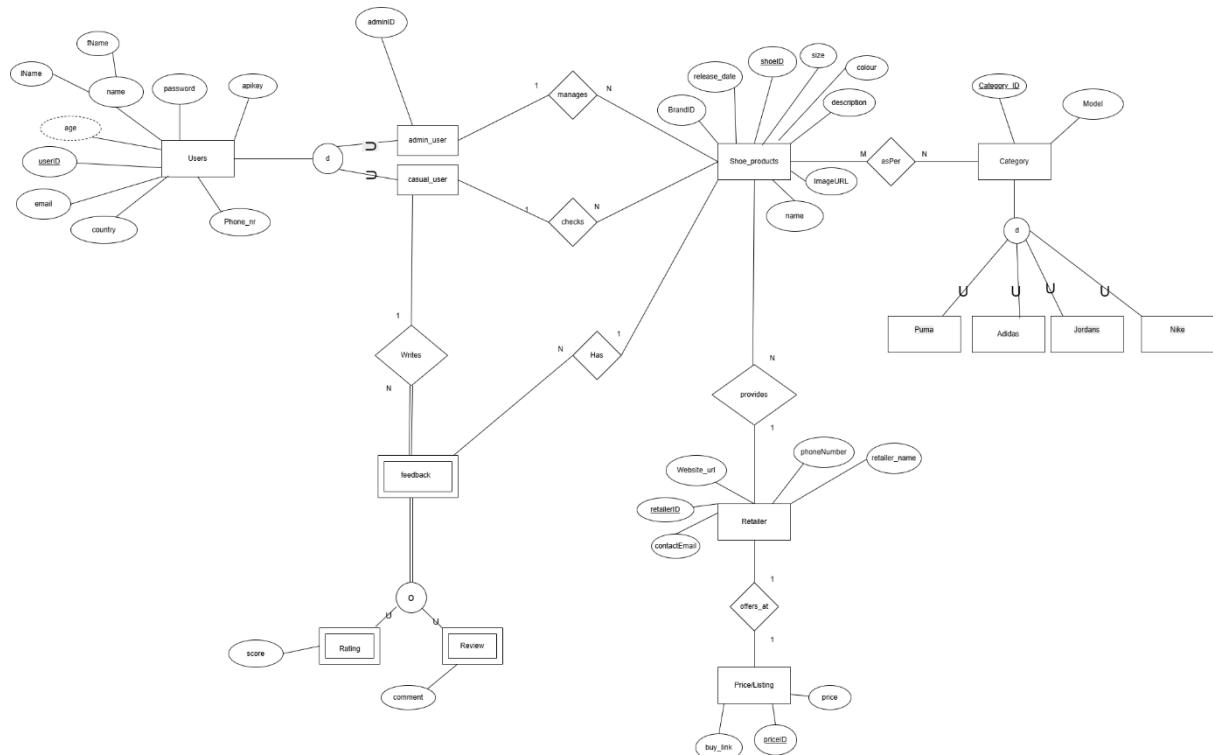
```

Output

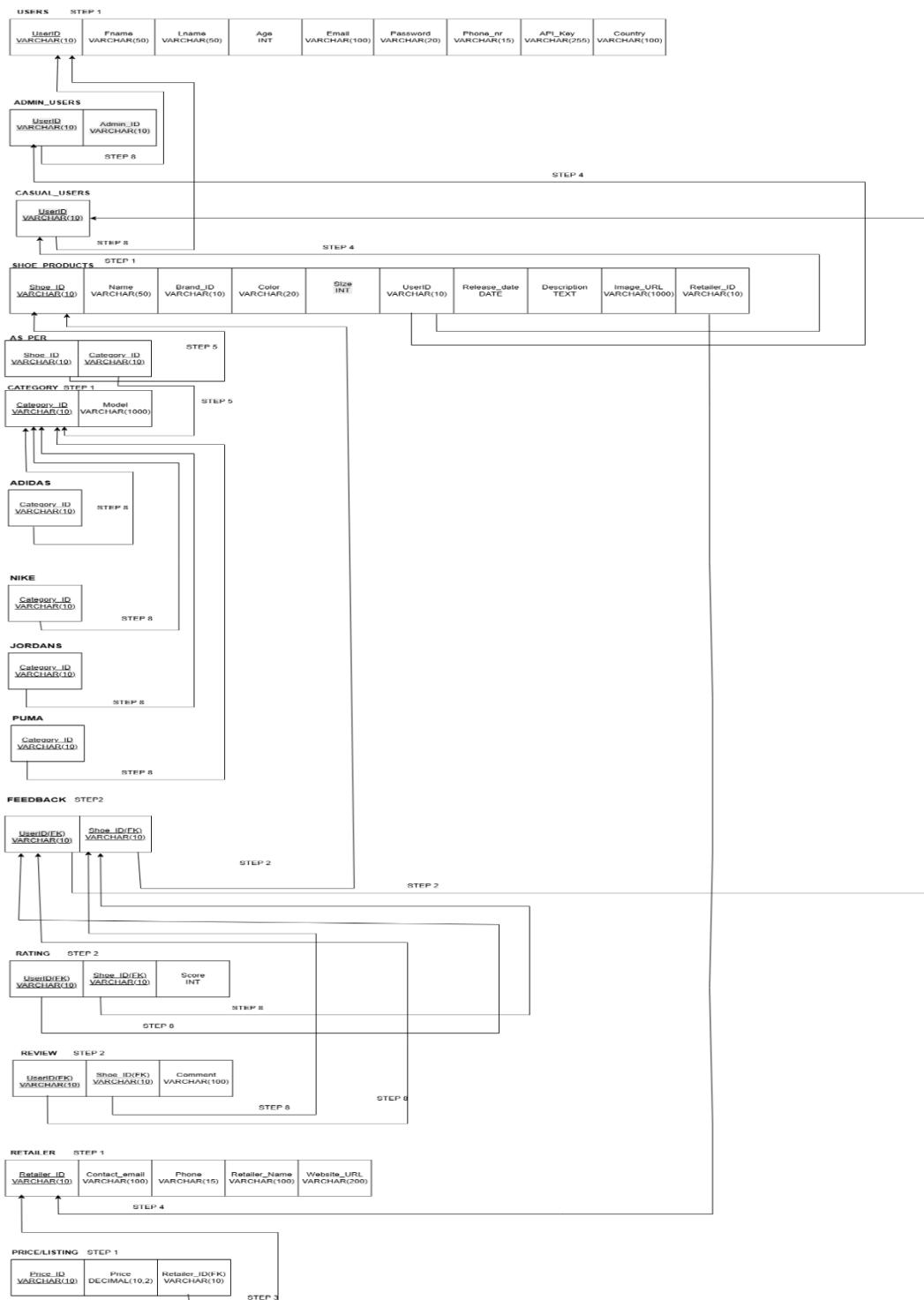
Object Info Session Action Output

16°C Sunny 10:28 2025/05/27

## ER DIAGRAM



## Relational Mapping



#### STEPS EXPLANATION :

**STEP 1 : MAPPING OF REGULAR (STRONG ) ENTITY TYPES**

USERS , SHOE\_PRODUCTS,CATEGORY,RETAILER ,PRICE/LISTING

**STEP 2 : MAPPING OF WEAK ENTITY TYPES**

FEEDBACK

**STEP 3 : MAPPING OF BINARY 1:1 RELATIONSHIPS**

RETAILER -OFFERS AT-PRICE/LISTING

**STEP 4 : MAPPING OF BINARY 1:N RELATIONSHIPS**

RETAILOR -PROVIDES-SHOE\_PRODUCTS, ADMIN\_USER -MANAGES -SHOE\_PRODUCTS, CASUAL\_USER-CHECKS-SHOE\_PRODUCTS, SHOE\_PRODUCTS -HAS-FEEDBACK, CASUAL\_USER-WRITES-FEEDBACK

**STEP 5: MAPPING OF BINARY M:N RELATIONSHIPS**

SHOE\_PRODUCTS AS PER CATEGORY

**STEP 6: MAPPING OF MULTIVALUED ATTRIBUTES**

NONE

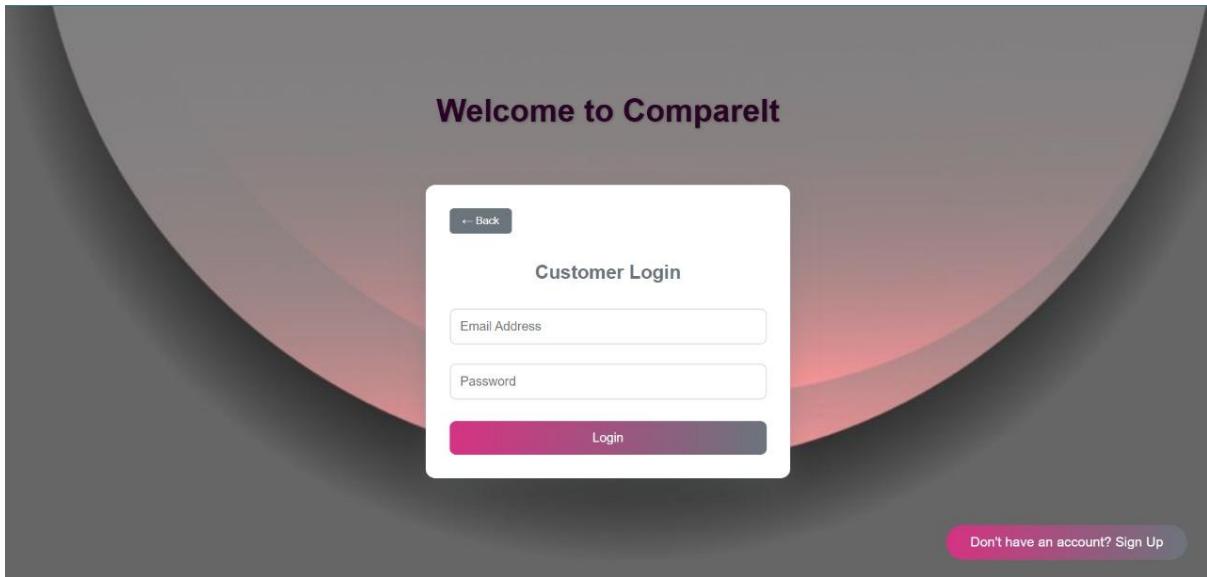
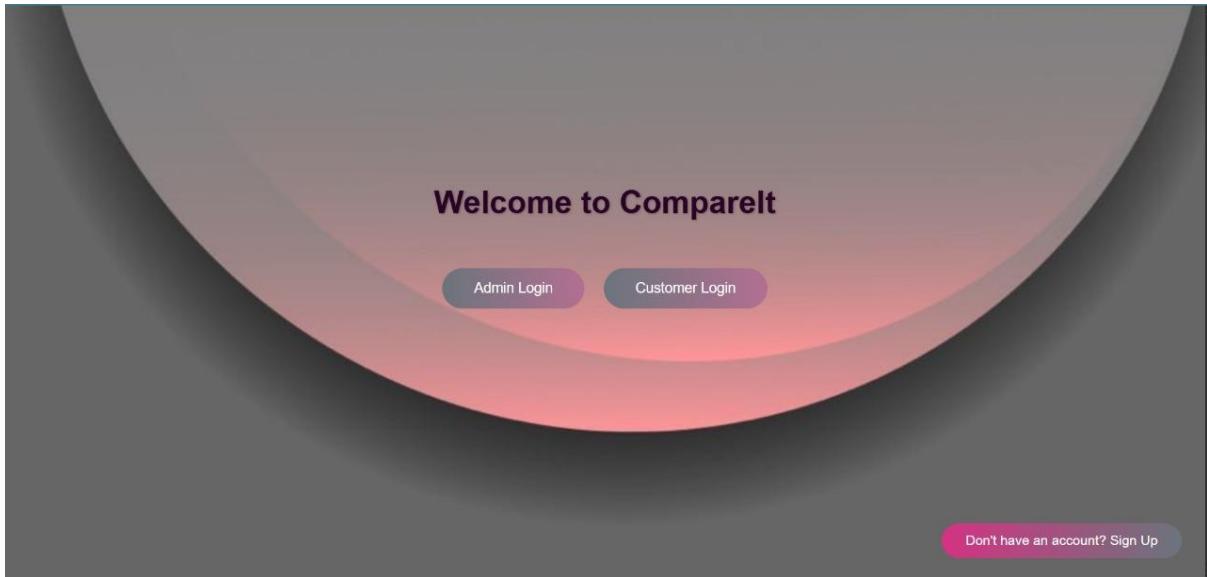
**STEP 7: MAPPING OF N-ary RELATIONSHIPS**

NONE

**STEP 8: MAPPING OF SPECIALIZATION AND GENERALIZATION**

USERS -disjoint and partial - ADMIN\_USERS AND CASUAL\_USERS , CATEGORY -disjoint , partial -ADIDAS, NIKE,PUMA, JORDANS , FEEDBACK-overlapping, total -RATING AND REVIEW

## The Website



localhost/COS221/html/admin\_dashboard.php

### Filters

Search: Search products...

Brand: All Brand

Color: All Colors

Size: All Sizes

Sort By: Name (A-Z)

Items Per Page: 12

**Apply Filters**

### All Shoes

**adidas Adizero Evo SL White Black**

Brand: Adidas  
Color: Cloud White/Core Bla  
Size: 9

Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White Black' sports oversized black three-stripes on a white mesh and knit upper, tooling with a molded ergonomic tongue for a comfortable feel. A high-stack foam midsole gets a responsive layer of

**adidas Adizero Evo SL White Black**

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**adidas AE 1 Low 3SSB PE**

Brand: Adidas  
Color: Supplier Color/Suppl  
Size: 9

The adidas AE 1 Low '3SSB' rolls out a mesh upper dyed in a gradient blend of turquoise, green, blue and lavender. Pink, honeycomb-structured support wings provide lateral stability, while a caged Lightstrike midsole pairs with Light Boost units on the forefoot and heel, undergirded by a rubber outsole.

**adidas Adizero Evo SL White Black**

**\$ 101.00**

Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White Black' sports oversized black three-stripes on a white mesh and knit upper, tooling with a molded ergonomic tongue for a comfortable feel. A high-stack foam midsole gets a responsive layer of Lightstrike Pro foam for a soft and resilient feel underfoot. A Continental Rubber outsole provides solid traction with every step.

**Rating:** 1.0000/5  
**Review:** bad

[Add Rating/Review](#)  
[Buy Now: Visit Store](#)

**Brand:** Adidas  
**Color:** Cloud White/Core Bla  
**Size:** 9  
**Release Date:** 2024-10-25

x



adidas Adizero Evo SL White Black  
\$ 101.00

Add Rating & Review

Rating (1-5):

Review:  
amazing

Submit

Color: Cloud White/Core Bla  
Size: 9  
Release Date: 2024-10-25

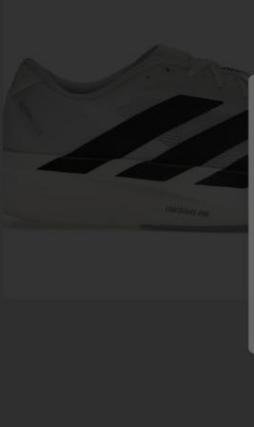
x

adizero Evo SL 'White Black' sports  
lite mesh and knit upper, tooling with  
nfortable feel. A high-stack foam  
ntstrike Pro foam for a soft and  
Rubber outsole provides solid

localhost says

Rating and review submitted successfully!

OK



adidas Adizero Evo SL White Black  
\$ 101.00

Add Rating & Review

Rating (1-5):

Review:  
amazing

Submit

Color: Cloud White/Core Bla  
Size: 9  
Release Date: 2024-10-25

## Top Rated Products



Jordan 4 Retro Metallic Gold (Women's)

Jordan

Color: Sail/Metallic Gold/B

Rating: 5 \*

The Women's Air Jordan 4 Retro 'Metallic Gold' has a smooth leather upper with a subtle off-white finish and metallic gold eyelets for a regal look. These shoes have a breathable quarter panel netting and a debossed Jumpman logo on the tongue. The prominent molded heel tab backs a plush collar. Underneath, a soft midsole reveals an Air-sole heel unit for soft cushioning. The classic herringbone rubber outsole provides traction and optimal grip.



Nike Air Diamond Turf 49ers (2025)

Nike

Color: White/Fire Red/Black

Rating: 5 \*

The 2025 edition of the Nike Air Diamond Turf '49ers' stays true to the original 1993 release, rocking a white and black leather upper secured with a wide midfoot strap. The latter gets an embossed red Swoosh, which matches the collar lining and the Nike Air logo on the heel. These kicks have a full-length foam midsole with encapsulated Air-sole cushioning underfoot.



Nike P-6000 Triple White

Nike

Color: White/White/White

Rating: 5 \*

No description available

[← Back](#)

### Filters

Search

[Search by name](#)

Brand

[All Brand ▾](#)

Color

[Cloud White ▾](#)

Size

[All Sizes ▾](#)

Sort By

[Name \(A-Z\) ▾](#)

Items Per Page

[12 ▾](#)

[Apply Filters](#)



adidas Adizero Evo SL White Black

adidas Adizero Evo SL White Black

Brand: Adidas

Color: Cloud White/Core Bla

Size: 9

Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White Black' sports oversized black three-...

Price: \$101.00

<https://stockx.com/adidas-adizero-evo-sl-white-black>



adidas Adizero Evo SL White Black

adidas Adizero Evo SL White Black

Brand: Adidas

Color: Cloud White/Core Bla

Size: 9

Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White Black' sports oversized black three-...

Price: \$94.00

<https://www.flightclub.com/adizero-evo-sl-white-black-jh6206>



adidas Adizero Evo SL White Black

adidas Adizero Evo SL White Black

Brand: Adidas

Color: Cloud White/Core Bla

Size: 9

Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White Black' sports oversized black three-...

Price: \$100.00

<http://www.goat.com/sneakers/adizero-evo-sl-white-black-jh6206>



adidas Samba OG Cloud White Core Black

adidas Samba OG Cloud White Core Black

Brand: Adidas

Color: Cloud White/Core Bla

Size: 9

The adidas Samba OG Cloud White Core Black (Women's) represents a contemporary take...

Price: \$58.00

<https://stockx.com/adidas-samba-og-cloud-white-core-black>

### Filters

[Top Rated](#)

[ALL](#)

[Logout](#)

### All Shoes



adidas Adizero Evo SL White Black

adidas Adizero Evo SL White Black

Brand: Adidas

Color: Cloud White/Core Bla

Size: 9

Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White



adidas Adizero Evo SL White Black

adidas Adizero Evo SL White Black

Brand: Adidas

Color: Cloud White/Core Bla

Size: 9

Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White



adidas Adizero Evo SL White Black

adidas Adizero Evo SL White Black

Brand: Adidas

Color: Cloud White/Core Bla

Size: 9

Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White



adidas AE 1 Low 3SSB PE

adidas AE 1 Low 3SSB PE

Brand: Adidas

Color: Supplier Color/Suppli

Size: 9

The adidas AE 1 Low '3SSB' rolls out a mesh upper dyed in a gradient blend of turquoise, green, blue...

Price: \$83.00

**Filters**

Search:

Brand:

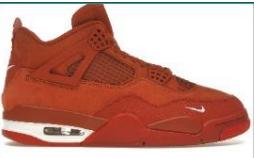
Color:

Size:

Sort By:

Items Per Page:

**Apply Filters**



Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

Brand: Jordan  
Color: Firewood Orange/Sail  
Size: 9  
The Nigel Sylvester x Air Jordan 4 Retro OG SP 'Brick By Brick' sports a monochromatic, orange suede...  
**Price: \$405.00**  
<https://stockx.com/air-air-jordan-4-retro-og-sp-nigel-sylvester-bike-air-firewood-orange>



Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

Brand: Jordan  
Color: Firewood Orange/Sail  
Size: 9  
The Nigel Sylvester x Air Jordan 4 Retro OG SP 'Brick By Brick' sports a monochromatic, orange suede...  
**Price: \$350.00**  
<https://www.flightclub.com/air-jordan-4-retro-og-sp-firewood-orange-hf4340-800>



Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

Brand: Jordan  
Color: Firewood Orange/Sail  
Size: 9  
The Nigel Sylvester x Air Jordan 4 Retro OG SP 'Brick By Brick' sports a monochromatic, orange suede...  
**Price: \$229.00**  
<http://www.goat.com/sneakers/air-jordan-4-retro-og-sp-firewood-orange-hf4340-800>

**Filters**

Search:

Brand:

Color:

Size:

Sort By:

Items Per Page:

**Apply Filters**



Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

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Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

Brand: Jordan  
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Size: 9  
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**Price: \$350.00**  
<https://www.flightclub.com/air-jordan-4-retro-og-sp-firewood-orange-hf4340-800>



Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

Air Jordan 4 Retro OG SP  
Nigel Sylvester Brick by

Brand: Jordan  
Color: Firewood Orange/Sail  
Size: 9  
The Nigel Sylvester x Air Jordan 4 Retro OG SP 'Brick By Brick' sports a monochromatic, orange suede...  
**Price: \$229.00**  
<http://www.goat.com/sneakers/air-jordan-4-retro-og-sp-firewood-orange-hf4340-800>



Jordan 1 Low Midnight Navy  
Neutral Grey

Jordan 1 Low Midnight Navy  
Neutral Grey

Brand: Jordan  
Color: White/Neutral Grey/G  
Size: 9  
No description available  
**Price: \$77.00**  
<https://stockx.com/air-jordan-1-low-midnight-navy-neutral-grey>

### Signup

First Name:

Last Name:

Email:

Password:   
Password must be at least 8 characters long and include uppercase, lowercase, a number, and a special symbol.

Type:

**Register**

**Filters**

Search  
Search by name

Brand  
All Brand ▾

Color  
All Colors ▾

Size  
All Sizes ▾

Sort By  
Name (A-Z) ▾

Items Per Page  
96 ▾

**Apply Filters**



**adidas Yeezy Boost 350 V2 Beluga Reflective**

**adidas Yeezy Boost 350 V2 Beluga Reflective**

Brand: Adidas  
Color: Reflective/Steeple G  
Size: 9  
The adidas Yeezy Boost 350 V2 'Beluga Reflective' revisits a 2016 colorway, pairing a predominant...

**Price: \$132.00**  
<https://stockx.com/adidas-yeezy-boost-350-v2-beluga-reflective>



**adidas Yeezy Boost 350 V2 Beluga Reflective**

**adidas Yeezy Boost 350 V2 Beluga Reflective**

Brand: Adidas  
Color: Reflective/Steeple G  
Size: 9  
The adidas Yeezy Boost 350 V2 'Beluga Reflective' revisits a 2016 colorway, pairing a predominant...

**Price: \$116.00**  
<https://www.flightclub.com/yeezy-boost-350-v2-beluga-reflective-gwl229>



**adidas Yeezy Boost 350 V2 Beluga Reflective**

**adidas Yeezy Boost 350 V2 Beluga Reflective**

Brand: Adidas  
Color: Reflective/Steeple G  
Size: 9  
The adidas Yeezy Boost 350 V2 'Beluga Reflective' revisits a 2016 colorway, pairing a predominant...

**Price: \$117.00**  
<http://www.goat.com/sneakers/yeezy-boost-350-v2-beluga-reflective-gw1229>



**adidas Yeezy Boost 350 V2 Black Red**

**adidas Yeezy Boost 350 V2 Black Red**

Brand: Adidas  
Color: Core Black/Core Blac  
Size: 9  
The Yeezy Boost 350 V2 'Bred' brings a classic colorway to its minimalist construction. The...

**Price: \$155.00**  
<https://stockx.com/adidas-yeezy-boost-350-v2-core-black-red-2017>

« Prev 1 2 3 Next »

**Filters**

Search  
Search by name

Brand  
All Brand ▾

Color  
All Colors ▾

Size  
All Sizes ▾

Sort By  
Name (A-Z) ▾

Items Per Page  
96 ▾

**Apply Filters**



**adidas Adizero Evo SL White Black**

**adidas Adizero Evo SL White Black**

Brand: Adidas  
Color: Cloud White/Core Bla  
Size: 9  
Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White Black' sports oversized black three...

**Price: \$101.00**  
<https://stockx.com/adidas-adizero-evo-sl-white-black>



**adidas Adizero Evo SL White Black**

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Size: 9  
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**Price: \$94.00**  
<https://www.flightclub.com/adizero-evo-sl-white-black-jh6206>



**adidas Adizero Evo SL White Black**

**adidas Adizero Evo SL White Black**

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Color: Cloud White/Core Bla  
Size: 9  
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**Price: \$100.00**  
<http://www.goat.com/sneakers/adizero-evo-sl-white-black-jh6206>



**adidas AE 1 Low 3SSB PE**

**adidas AE 1 Low 3SSB PE**

Brand: Adidas  
Color: Supplier Color/Suppl  
Size: 9  
The adidas AE 1 Low '3SSB' rolls out a mesh upper dyed in a gradient blend of turquoise, green, blue...

**Price: \$83.00**  
<https://stockx.com/adidas-ae-1-low-3ssb-pe>

**Filters**

Search  
Search by name

Brand  
All Brands ▾

Color  
All Colors ▾

Size  
All Sizes ▾

Sort By  
Name (A-Z) ▾

Items Per Page  
12 ▾

**Apply Filters**



**adidas Adizero Evo SL White Black**

**adidas Adizero Evo SL White Black**

Brand: Adidas  
Color: Cloud White/Core Bla  
Size: 9  
Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White Black' sports oversized black...

**Price: \$101.00**  
<https://stockx.com/adidas-adizero-evo-sl-white-black>



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**Price: \$100.00**  
<http://www.goat.com/sneakers/adizero-evo-sl-white-black-jh6206>



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**Price: \$83.00**  
<https://stockx.com/adidas-ae-1-low-3ssb-pe>

**Filters**

Search  
Search by name

Brand  
All Brands

Color  
All Colors

Size  
All Sizes

Sort By  
Name (A-Z)

Items Per Page  
12

**Apply Filters**

**adidas Adizero Evo SL White Black**  
adidas Adizero Evo SL White Black

Brand: Adidas  
Color: Cloud White/Core Bla  
Size: 9

Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White Black' sports oversized black...

**Price: \$101.00**  
<https://stockx.com/adidas-adizero-evo-sl-white-black>

**adidas Adizero Evo SL White Black**  
adidas Adizero Evo SL White Black

Brand: Adidas  
Color: Cloud White/Core Bla  
Size: 9

Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White Black' sports oversized black...

**Price: \$94.00**  
<https://www.flightclub.com/adizero-evo-sl-white-black-jh6206>

**adidas Adizero Evo SL White Black**  
adidas Adizero Evo SL White Black

Brand: Adidas  
Color: Cloud White/Core Bla  
Size: 9

Inspired by the Pro Evo I, the adidas Adizero Evo SL 'White Black' sports oversized black...

**Price: \$100.00**  
<http://www.goat.com/sneakers/adizer-evo-sl-white-black-jh6206>

**adidas AE 1 Low 3SSB PE**  
adidas AE 1 Low 3SSB PE

Brand: Adidas  
Color: Supplier Color/Suppl  
Size: 9

The adidas AE 1 Low '3SSB' rolls out a mesh upper dyed in a gradient blend of turquoise, green, blue...

**Price: \$83.00**  
<https://stockx.com/adidas-ae-1-low-3ssb-pe>

**Filters**

Search  
Search by name

Brand  
All Brands

Color  
All Colors

Size  
All Sizes

Sort By  
Name (Z-A)

Items Per Page  
12

**Apply Filters**

**Puma Suede XL Teenage Mutant Ninja Turtles Krang**  
Puma Suede XL Teenage Mutant Ninja Turtles Krang

Brand: Puma  
Color: Pink/Yellow/Purple  
Size: 9

The Teenage Mutant Ninja Turtles x PUMA Suede XL 2 'Krang' uses a pink knit upper that has a tex...

**Price: \$51.00**  
<https://stockx.com/puma-suede-xl-teenage-mutant-ninja-turtles-krang>

**Puma Suede XL Teenage Mutant Ninja Turtles Krang**  
Puma Suede XL Teenage Mutant Ninja Turtles Krang

Brand: Puma  
Color: Pink/Yellow/Purple  
Size: 9

The Teenage Mutant Ninja Turtles x PUMA Suede XL 2 'Krang' uses a pink knit upper that has a tex...

**Price: \$66.00**  
<https://www.flightclub.com/teenage-mutant-ninja-turtles-x-suede-xl-2-krang-401305-01>

**Puma Suede XL Teenage Mutant Ninja Turtles Krang**  
Puma Suede XL Teenage Mutant Ninja Turtles Krang

Brand: Puma  
Color: Pink/Yellow/Purple  
Size: 9

The Teenage Mutant Ninja Turtles x PUMA Suede XL 2 'Krang' uses a pink knit upper that has a tex...

**Price: \$78.00**  
<http://www.goat.com/sneakers/teen-mutant-ninja-turtles-x-suede-xl-2-krang-401305-01>

**Puma Suede XL Teenage Mutant Ninja Turtles**  
Puma Suede XL Teenage Mutant Ninja Turtles

Brand: Puma  
Color: Green/Purple/Gum  
Size: 9

The Teenage Mutant Ninja Turtles x PUMA Suede XL 'The Four Turtles' has a green suede upper cover...

**Price: \$108.00**  
<https://stockx.com/puma-suede-xl-teenage-mutant-ninja-turtles>

**Filters**

Search  
Search by name

Brand  
All Brand

Color  
All Colors

Size  
All Sizes

Sort By  
Release ▾

Items Per Page  
12

**Apply Filters**

**Nike Kobe 6 Protro Dodgers**  
Nike Kobe 6 Protro Dodgers

Brand: Nike  
Color: Game Royal/White-Uni  
Size: 9

The Nike Zoom Kobe 6 Protro 'Dodgers' uses a bold royal blue upper to celebrate the MLB...

**Price: \$320.00**  
<https://stockx.com/nike-kobe-6-protro-dodgers-pe>

**Nike Kobe 6 Protro Dodgers**  
Nike Kobe 6 Protro Dodgers

Brand: Nike  
Color: Game Royal/White-Uni  
Size: 9

The Nike Zoom Kobe 6 Protro 'Dodgers' uses a bold royal blue upper to celebrate the MLB...

**Price: \$318.00**  
<https://www.flightclub.com/zoom-kobe-6-protro-dodgers-cw2190-400>

**Nike Kobe 6 Protro Dodgers**  
Nike Kobe 6 Protro Dodgers

Brand: Nike  
Color: Game Royal/White-Uni  
Size: 9

The Nike Zoom Kobe 6 Protro 'Dodgers' uses a bold royal blue upper to celebrate the MLB...

**Price: \$318.00**  
<http://www.goat.com/sneakers/zoom-kobe-6-protro-dodgers-cw2190-400>

**Jordan 3 Retro OG Rare Air**  
Jordan 3 Retro OG Rare Air

Brand: Jordan  
Color: Black/Chile Red/Neut  
Size: 9

The Air Jordan 3 Retro OG 'Rare Air' has a black leather upper with grey suede overlays on the...

**Price: \$158.00**  
<https://stockx.com/air-jordan-3-retro-og-rare-air>

## Task 7

```
SELECT r.Comment, u.UserID  
FROM review r  
JOIN users u ON r.UserID = u.UserID  
WHERE r.Shoe_ID = 'AQ9129-170';
```

The query above provides a full query scan on the review table to find the rows that match Shoe\_ID = 'AQ9129-170'. In order to complete the search the query performs a lookup in the users table by using the UserID as a foreign key. If there was no index on Shoe\_ID the database would have to scan the entire review table which would make the join operation inefficient if the users table is too large.

The proposed optimization would be to create an index on Shoe\_ID in the review table. We will then create a composite index that covers the filter and the join conditions

The index on Shoe\_ID will allow the database to quickly locate reviews for the shoe without scanning the entire table. With the proper indexing, the join operation will be efficient and faster.

By using an index versus a table scan is faster and quicker.

The screenshot shows the MySQL Workbench interface. At the top, the SQL editor contains the following query:

```
1 • use shoes;  
2 • SELECT r.Comment, u.UserID  
3 • FROM review r  
4 • JOIN users u ON r.UserID = u.UserID  
5 • WHERE r.Shoe_ID = 'AQ9129-170';
```

To the right of the editor, a tooltip provides help information: "Automatic context help disabled. Use the toolbar manually get help for the current caret position or toggle automatic help".

The results pane below shows a single row in the Result Grid:

Comment	UserID
A must-have for sneakerheads!	U101

On the far right, a sidebar offers navigation options: Result Grid, Form Editor, and Field Types. Below the results, the Output pane displays the following log entries:

#	Time	Action	Message	Duration / Fetch
14	23:30:06	SELECT * FROM adidas WHERE Model = 'Yeezy Boost 350 V2' LIMIT 0, 1000	14 row(s) returned	0.000 sec / 0.000 sec
15	23:30:52	use shoes	0 row(s) affected	0.000 sec
16	23:30:52	SELECT r.Comment, u.UserID FROM review r JOIN users u ON r.UserID = u.UserID WHERE r.Shoe_I...	1 row(s) returned	0.000 sec / 0.000 sec

USE shoes;

```
SELECT * FROM shoe_products;
```

By using the query above, We are able to retrieve all of the products that exist in this table and on our website. The query is not efficient as it will have to get all of the columns for all of the rows which could result in the query taking longer to execute.

The proposed optimization is to select only the columns that are needed instead of all. We could add filtering to eg. `SELECT * FROM shoe_products WHERE Brand_ID = 'Nike';`, which will help the query to execute faster. We could add a limit which will be efficient for larger amounts of data.

The screenshot shows a database interface with the following details:

- SQL Editor:** Displays the executed queries:

```
1 • use shoes;
2 • select * from shoe_products;
```

A note on the right says: "Automatic context help disabled. Use the toolbar manually get help for the current caret position or toggle automatic help".
- Result Grid:** Shows the data from the 'shoe\_products' table. The columns are: Shoe\_ID, Name, Brand\_ID, Color, Size, UserID, image\_URL, and Release\_Date. The data includes various shoe models like Jordan 12 Retro Flu Game, Puma LaMelo Ball MB.01 Iridescent, and Puma LaMelo Ball MB.03 Miami, along with their respective details.
- Output:** Displays the execution log for the query:

#	Time	Action	Message	Duration / Fetch
16	23:30:52	SELECT r.Comment, u.UserID FROM review r JOIN users u ON r.UserID = u.UserID WHERE r.Shoe_I...	1 row(s) returned	0.000 sec / 0.000 sec
17	23:41:15	use shoes	0 row(s) affected	0.000 sec
18	23:41:15	select * from shoe_products LIMIT 0, 1000	249 row(s) returned	0.000 sec / 0.016 sec