Designing the data base for the given survey :

Code :

```
CREATE TABLE Survey (
   Application_name VARCHAR2 (255),
   Date_of_issue DATE,
   Features VARCHAR2(1000),
   Year_of_application NUMBER
);
```

```
INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)
VALUES ('Oracle 11g RDBMS', TO_DATE('06-01-2012', 'MM-DD-YYYY'), 'Automatic Storage Management, Real Application Testing, Active Data Guard', 2012);
```

```
INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)
VALUES ('Operating System', TO_DATE('06-01-2012', 'MM-DD-YYYY'), 'Hyper-V, Modern UI, Enhanced Active Directory', 2012);
```

```
INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)
VALUES ('MySQL RDBMS', TO_DATE('06-01-2012', 'MM-DD-YYYY'), 'Open Source, Speed, Reliability', 2012);
```

```
INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)
VALUES ('Oracle 12c Multitenant', TO_DATE('06-01-2013', 'MM-DD-YYYY'), 'Multitenant Architecture, Pattern Matching', 2013);
```

```
INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)
VALUES ('SQL Server 2012', TO_DATE('06-01-2013', 'MM-DD-YYYY'), 'Columnstore Indexes, AlwaysOn Availability', 2013);
```

```
INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)
VALUES ('PostgreSQL 2015', TO_DATE('04-15-2015', 'MM-DD-YYYY'), 'UPSERT, Row-level Security, JSONB', 2015);
```

INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)

VALUES ('MongoDB 3.0', TO_DATE('03-01-2015', 'MM-DD-YYYY'), 'WiredTiger Engine, Role-based Access Control', 2015);

INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)

VALUES ('Redis 3.0', TO_DATE('04-15-2015', 'MM-DD-YYYY'), 'Redis Cluster, Horizontal Scalability', 2015);

INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)

VALUES ('SQL Server 2016', TO_DATE('06-01-2016', 'MM-DD-YYYY'), 'Real-time Operational Analytics', 2016);

INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)

VALUES ('Redis 3.2', TO_DATE('05-15-2016', 'MM-DD-YYYY'), 'Redis Cluster Stability, BITFIELD Command', 2016);

INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)

VALUES ('Db2 AI-Powered', TO_DATE('05-01-2017', 'MM-DD-YYYY'), 'Adaptive Query Optimization, Dynamic Workload Management', 2017);

INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)

VALUES ('Amazon Aurora', TO_DATE('06-01-2017', 'MM-DD-YYYY'), 'Predictive Analytics, Seamless AWS Integration', 2017);

INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)

VALUES ('Oracle Autonomous Database', TO_DATE('04-01-2018', 'MM-DD-YYYY'), 'Self-tuning, Self-patching', 2018);

INSERT INTO Survey (Application_name, Date_of_issue, Features, Year_of_application)

VALUES ('RedisEdge', TO_DATE('06-01-2022', 'MM-DD-YYYY'), 'Real-time Analytics, IoT Focus', 2022);

SELECT * FROM Survey;

Output:

APPLICATION_NAME	DATE_OF_ISSUE	FEATURES	YEAR_OF_APPLICATION
Oracle 11g RDBMS	06/01/2012	Automatic Storage Management, Real Application Testing, Active Data Guard	2012
Operating System	06/01/2012	Hyper-V, Modern UI, Enhanced Active Directory	2012
MySQL RDBMS	06/01/2012	Open Source, Speed, Reliability	2012
Oracle 12c Multitenant	06/01/2013	Multitenant Architecture, Pattern Matching	2013
SQL Server 2012	06/01/2013	Columnstore Indexes, AlwaysOn Availability	2013
PostgreSQL 2015	04/15/2015	UPSERT, Row-level Security, JSONB	2015
MongoDB 3.0	03/01/2015	WiredTiger Engine, Role-based Access Control	2015
Redis 3.0	04/15/2015	Redis Cluster, Horizontal Scalability	2015
SQL Server 2016	06/01/2016	Real-time Operational Analytics	2016
Redis 3.2	05/15/2016	Redis Cluster Stability, BITFIELD Command	2016
Db2 AI-Powered	05/01/2017	Adaptive Query Optimization, Dynamic Workload Management	2017
Amazon Aurora	06/01/2017	Predictive Analytics, Seamless AWS Integration	2017
Oracle Autonomous Database	04/01/2018	Self-tuning, Self-patching	2018
RedisEdge	06/01/2022	Real-time Analytics, IoT Focus	2022