**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:**

