

--CREATE TABLES

--TABLE MEMBER

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CREATE TABLE MEMBER (

member\_id NUMBER(20) PRIMARY KEY,

username VARCHAR(50) NOT NULL,

password VARCHAR(20) NOT NULL,

email VARCHAR(50) NOT NULL,

fullname VARCHAR(50) NOT NULL,

address VARCHAR(150) NOT NULL,

phone VARCHAR(20) NOT NULL,

gender VARCHAR(1),

birthdate DATE,

USER\_GROUP VARCHAR(20)

);

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--TABLE PRODUCT

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CREATE TABLE PRODUCT (

product\_id NUMBER(20) PRIMARY KEY,

productname VARCHAR(100) NOT NULL,

producttype NUMBER (20) NOT NULL,

description VARCHAR(255) NOT NULL,

stock NUMBER(20) NOT NULL,

price NUMBER(20) NOT NULL,

imagesource VARCHAR(255) NOT NULL

);

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--TABLE PRODUCTTYPE

CREATE TABLE ProductType (

TypeID NUMBER(10) PRIMARY KEY,

description VARCHAR(200) NOT NULL

);

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--TABLE RATINGTYPE

CREATE TABLE RatingType (

valueid NUMBER(10) PRIMARY KEY,

description VARCHAR(50) NOT NULL

);

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--TABLE RATING

CREATE TABLE RATING (

rating\_id NUMBER(20) PRIMARY KEY,

member\_id NUMBER(20),

product\_id NUMBER(20),

value NUMBER(20)

);

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--TABLE COMMENTS

CREATE TABLE COMMENTS (

comment\_id NUMBER(20) PRIMARY KEY,

member\_id NUMBER(20),

product\_id NUMBER(20),

message VARCHAR(255)

);

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--TABLE TRANSACTIONS

CREATE TABLE TRANSACTIONS (

transaction\_id NUMBER(20) PRIMARY KEY,

member\_id NUMBER(20) NOT NULL,

product\_id NUMBER(20) NOT NULL,

quantity NUMBER(20) NOT NULL,

approvalstatus VARCHAR(10),

transactiondate DATE

);

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--TABLE CART

CREATE TABLE CART (

cart\_id NUMBER(20) PRIMARY KEY,

member\_id NUMBER(20) NOT NULL,

product\_id NUMBER(20) NOT NULL,

quantity NUMBER(20)

);

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--CREATE RELATIONS

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--RATING (member\_id) (PK) -> MEMBER (member\_id) (FK)

ALTER TABLE RATING

ADD CONSTRAINT FK\_RATING\_MEMBER FOREIGN KEY (member\_id) REFERENCES MEMBER (member\_id);

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--RATING (product\_id) (PK) -> PRODUCT (product\_id) (FK)

ALTER TABLE RATING

ADD CONSTRAINT FK\_RATING\_PRODUCT FOREIGN KEY (product\_id) REFERENCES PRODUCT (product\_id);

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--RATING (value) (PK)-> RATINGTYPE (valueid) (FK)

ALTER TABLE RATING

ADD CONSTRAINT FK\_RATING\_RATINGTYPE FOREIGN KEY (value) REFERENCES RATINGTYPE (valueid);

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--COMMENTS (member\_id) (PK) -> MEMBER (member\_id) (FK)

ALTER TABLE COMMENTS

ADD CONSTRAINT FK\_COMMENTS\_MEMBER FOREIGN KEY (member\_id) REFERENCES MEMBER (member\_id);

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--COMMENTS (product\_id) (PK) -> PRODUCT (product\_id) (FK)

ALTER TABLE COMMENTS

ADD CONSTRAINT FK\_COMMENTS\_PRODUCT FOREIGN KEY (product\_id) REFERENCES PRODUCT (product\_id);

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--TRANSACTIONS (member\_id) (PK) -> MEMBER (member\_id) (FK)

ALTER TABLE TRANSACTIONS

ADD CONSTRAINT FK\_TRANSACTIONS\_MEMBER FOREIGN KEY (member\_id) REFERENCES MEMBER (member\_id);

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--TRANSACTIONS (product\_id) (PK) -> PRODUCT (product\_id) (FK)

ALTER TABLE TRANSACTIONS

ADD CONSTRAINT FK\_TRANSACTIONS\_PRODUCT FOREIGN KEY (product\_id) REFERENCES PRODUCT (product\_id);

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--CART (member\_id) (PK) -> MEMBER (member\_id) (FK)

ALTER TABLE CART

ADD CONSTRAINT FK\_CART\_MEMBER FOREIGN KEY (member\_id) REFERENCES MEMBER (member\_id);

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-- CART (product\_id)(PK) -> PRODUCT (product\_id)(FK)

ALTER TABLE CART

ADD CONSTRAINT FK\_CART\_PRODUCT FOREIGN KEY (product\_id) REFERENCES PRODUCT (product\_id);

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-- PRODUCT (producttype)(PK) -> PRODUCTTYPE (typeID)(FK)

ALTER TABLE PRODUCT

ADD CONSTRAINT FK\_PRODUCT\_PRODUCTTYPE FOREIGN KEY (producttype) REFERENCES PRODUCTTYPE (TypeID);

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--INSERT TABLE DATA

--MEMBER

*--MEMBER*

insert into MEMBER (member\_id, username, password, email, fullname, address, phone, gender, birthdate, user\_group) values (1, 'jgilvary0', 'ANyJjChGhEU', 'jgilvary0@cocolog-nifty.com', 'Jorge Gilvary', '465 Quincy Terrace', '269-213-9414', 'M', '31-May-2000', 'CLIENT');

insert into MEMBER (member\_id, username, password, email, fullname, address, phone, gender, birthdate, user\_group) values (2, 'ilamie1', '0DndlsMUQr', 'ilamie1@dedecms.com', 'Inglis L''Amie', '04156 Twin Pines Place', '760-298-8476', 'M', '26-May-1980', 'CLIENT');

insert into MEMBER (member\_id, username, password, email, fullname, address, phone, gender, birthdate, user\_group) values (3, 'gshowering2', 'NdTKNWEJAR78', 'gshowering2@webnode.com', 'Gabriele Showering', '77 Bay Alley', '595-444-9938', 'M', '13-Jun-1986', 'CLIENT');

insert into MEMBER (member\_id, username, password, email, fullname, address, phone, gender, birthdate, user\_group) values (4, 'echerry3', 'wZZKg1kzaZdm', 'echerry3@list-manage.com', 'Eddie Cherry Holme', '98 Hintze Lane', '721-528-0773', 'M', '25-Feb-1982', 'CLIENT');

insert into MEMBER (member\_id, username, password, email, fullname, address, phone, gender, birthdate, user\_group) values (5, 'cpaoletto4', 'IQazv0oNrD', 'cpaoletto4@twitpic.com', 'Cross Paoletto', '9956 Hoffman Way', '502-856-7345', 'M', '07-Oct-1966', 'CLIENT');

insert into MEMBER (member\_id, username, password, email, fullname, address, phone, gender, birthdate, user\_group) values (6, 'treolfi5', '4p3WiE', 'treolfi5@go.com', 'Tonnie Reolfi', '331 Fuller Way', '377-460-0391', 'M', '24-Mar-1978', 'CLIENT');

insert into MEMBER (member\_id, username, password, email, fullname, address, phone, gender, birthdate, user\_group) values (7, 'fstaner6', 'qqMLiP', 'fstaner6@jiathis.com', 'Francklin Staner', '007 Lighthouse Bay Hill', '288-579-8409', 'M', '16-Mar-1989', 'CLIENT');

insert into MEMBER (member\_id, username, password, email, fullname, address, phone, gender, birthdate, user\_group) values (8, 'cadanez7', 'MK6PlAwf2', 'cadanez7@nytimes.com', 'Chandler Adanez', '2925 Dahle Hill', '681-763-4018', 'M', '23-Oct-1974', 'CLIENT');

insert into MEMBER (member\_id, username, password, email, fullname, address, phone, gender, birthdate, user\_group) values (9, 'kamila', '123', 'lkimpton8@delicious.com', 'Lacey Kimpton', '3 Old Gate Junction', '198-743-8894', 'F', '23-May-1962', 'CLIENT');

insert into MEMBER (member\_id, username, password, email, fullname, address, phone, gender, birthdate, user\_group) values (10, 'yessey', '123', 'lroadnight9@123-reg.co.uk', 'Lorinda Roadnight', '22397 Forster Circle', '718-571-4841', 'F', '05-Sep-1979', 'OWNER');

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--PRODUCTTYPE

insert into ProductType (Typeid, Description) VALUES(1, 'Windows');

insert into ProductType (Typeid, Description) VALUES(2, 'Solaris');

insert into ProductType (Typeid, Description) VALUES(3, 'Linux');

insert into ProductType (Typeid, Description) VALUES(4, 'Office');

insert into ProductType (Typeid, Description) VALUES(5, 'Graphic');

insert into ProductType (Typeid, Description) VALUES(6, 'Database');

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--PRODUCT

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (1, 'Windows 10 64bit Pro', 1, 'Professional Desktop', 36, 14445, 'http://dummyimage.com/114x191.bmp/ff4444/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (2, 'Windows 7 64 bit Home Edition', 1, 'Home Desktop', 82, 14774, 'http://dummyimage.com/225x131.bmp/ff4444/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (3, 'Windows 10 64bit Home Edition', 1, 'Home Desktop', 39, 6864, 'http://dummyimage.com/145x249.png/cc0000/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (4, 'Solaris 11 64 bit', 2, 'Server OS', 43, 7267, 'http://dummyimage.com/191x158.bmp/5fa2dd/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (5, 'Windows Server 2016 Enterprise Edition', 1, 'Server OS', 98, 18805, 'http://dummyimage.com/105x137.jpg/ff4444/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (6, 'Windows Server 2016 Standard Edition', 1, 'Server OS', 61, 15130, 'http://dummyimage.com/140x139.bmp/dddddd/000000');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (7, 'Linux RedHat', 3, 'Server OS', 45, 8704, 'http://dummyimage.com/205x200.jpg/ff4444/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (8, 'Linux Debian', 3, 'Server OS', 49, 10908, 'http://dummyimage.com/118x157.jpg/5fa2dd/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (9, 'Linux Suse', 3, 'Professional Desktop', 38, 15536, 'http://dummyimage.com/225x209.png/dddddd/000000');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (10, 'Linux Mint', 3, 'Professional Desktop', 55, 17922, 'http://dummyimage.com/248x120.bmp/5fa2dd/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (11, 'Microsoft Office 2016 Pro', 4, 'Professional Office', 88, 8880, 'http://dummyimage.com/209x153.bmp/cc0000/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (12, 'Microsoft Office 2016 Standard', 4, 'Standard Office', 80, 5963, 'http://dummyimage.com/146x127.jpg/dddddd/000000');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (13, 'Microsoft Office 2013 Pro', 4, 'Professional Office', 62, 15719, 'http://dummyimage.com/183x115.png/ff4444/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (14, 'Microsoft Office 2013 Standard', 4, 'Standard Office', 66, 8406, 'http://dummyimage.com/244x162.bmp/cc0000/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (15, 'Adobe AutoCAD 2016', 5, 'Professional Graphic Drawing', 80, 12079, 'http://dummyimage.com/220x219.bmp/ff4444/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (16, 'Adobe Primera', 5, 'Professional Graphic Drawing', 48, 11805, 'http://dummyimage.com/244x138.png/ff4444/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (17, 'Oracle 18c', 6, 'Server Database', 11, 13105, 'http://dummyimage.com/241x246.png/cc0000/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (18, 'Microsoft SQL Server 2016', 6, 'Server Database', 94, 15954, 'http://dummyimage.com/196x208.png/dddddd/000000');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (19, 'PostgreSQL Server 2018', 6, 'Server Database', 66, 7405, 'http://dummyimage.com/198x123.jpg/ff4444/ffffff');

insert into PRODUCT (product\_id, productname, producttype, description, stock, price, imagesource) values (20, 'Oracle 12', 6, 'Server Database', 65, 8699, 'http://dummyimage.com/204x222.bmp/ff4444/ffffff');

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--TABLE TRANSACTIONS

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1001, 2, 20, 5, 'APPROVED', '03-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1002, 3, 3, 4, 'APPROVED', '28-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1003, 8, 3, 4, 'APPROVED', '10-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1004, 3, 7, 4, 'REJECTED', '22-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1005, 3, 19, 1, 'APPROVED', '08-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1006, 6, 11, 5, 'APPROVED', '06-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1007, 4, 2, 2, 'APPROVED', '03-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1008, 7, 19, 1, 'REJECTED', '29-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1009, 5, 5, 2, 'APPROVED', '03-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1010, 5, 17, 1, 'APPROVED', '03-Apr-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1011, 10, 1, 1, 'REJECTED', '05-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1012, 1, 4, 2, 'REJECTED', '12-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1013, 5, 12, 1, 'APPROVED', '22-Sep-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1014, 5, 2, 4, 'APPROVED', '06-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1015, 4, 6, 1, 'APPROVED', '08-Jul-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1016, 10, 8, 2, 'APPROVED', '11-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1017, 2, 20, 2, 'REJECTED', '23-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1018, 4, 15, 2, 'REJECTED', '05-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1019, 1, 14, 1, 'APPROVED', '26-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1020, 4, 5, 2, 'REJECTED', '04-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1021, 8, 14, 5, 'REJECTED', '30-Jun-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1022, 8, 18, 2, 'REJECTED', '25-Jan-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1023, 6, 7, 1, 'REJECTED', '12-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1024, 3, 20, 2, 'APPROVED', '26-Jul-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1025, 5, 14, 4, 'REJECTED', '25-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1026, 9, 1, 3, 'REJECTED', '04-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1027, 2, 17, 4, 'REJECTED', '20-Nov-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1028, 5, 2, 5, 'APPROVED', '13-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1029, 5, 2, 5, 'APPROVED', '30-Sep-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1030, 10, 15, 4, 'REJECTED', '30-Apr-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1031, 2, 4, 3, 'APPROVED', '22-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1032, 3, 10, 5, 'APPROVED', '20-Jun-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1033, 2, 3, 2, 'APPROVED', '30-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1034, 3, 15, 2, 'REJECTED', '07-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1035, 8, 2, 5, 'REJECTED', '08-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1036, 6, 3, 4, 'REJECTED', '04-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1037, 10, 1, 4, 'APPROVED', '09-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1038, 8, 4, 4, 'REJECTED', '27-Jan-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1039, 9, 10, 5, 'REJECTED', '17-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1040, 1, 2, 4, 'APPROVED', '21-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1041, 6, 5, 5, 'APPROVED', '25-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1042, 8, 6, 2, 'APPROVED', '10-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1043, 7, 5, 1, 'REJECTED', '04-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1044, 5, 17, 5, 'REJECTED', '09-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1045, 7, 12, 4, 'REJECTED', '25-Dec-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1046, 3, 12, 5, 'REJECTED', '15-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1047, 8, 12, 3, 'REJECTED', '24-Jan-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1048, 3, 4, 5, 'REJECTED', '05-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1049, 6, 10, 2, 'REJECTED', '11-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1050, 7, 16, 5, 'APPROVED', '10-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1051, 9, 8, 4, 'REJECTED', '13-Jul-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1052, 5, 15, 5, 'APPROVED', '30-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1053, 5, 15, 2, 'REJECTED', '30-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1054, 5, 1, 5, 'REJECTED', '29-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1055, 5, 2, 4, 'APPROVED', '17-Jan-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1056, 6, 3, 5, 'REJECTED', '07-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1057, 2, 9, 2, 'REJECTED', '08-Jul-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1058, 3, 2, 2, 'REJECTED', '17-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1059, 1, 16, 4, 'APPROVED', '11-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1060, 4, 20, 4, 'APPROVED', '25-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1061, 2, 7, 2, 'APPROVED', '01-May-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1062, 4, 17, 5, 'APPROVED', '29-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1063, 5, 2, 4, 'REJECTED', '19-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1064, 3, 9, 4, 'REJECTED', '13-May-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1065, 5, 6, 2, 'REJECTED', '27-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1066, 4, 19, 1, 'REJECTED', '28-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1067, 8, 11, 2, 'REJECTED', '13-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1068, 2, 4, 5, 'REJECTED', '18-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1069, 8, 16, 5, 'APPROVED', '19-Feb-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1070, 4, 16, 1, 'REJECTED', '25-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1071, 6, 18, 1, 'REJECTED', '08-Jul-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1072, 4, 6, 1, 'APPROVED', '23-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1073, 10, 5, 5, 'REJECTED', '21-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1074, 2, 17, 1, 'REJECTED', '21-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1075, 5, 3, 1, 'APPROVED', '07-Sep-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1076, 10, 20, 4, 'APPROVED', '10-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1077, 4, 11, 4, 'REJECTED', '16-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1078, 9, 8, 5, 'REJECTED', '15-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1079, 5, 12, 4, 'REJECTED', '03-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1080, 8, 9, 1, 'REJECTED', '08-Nov-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1081, 8, 1, 2, 'REJECTED', '10-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1082, 9, 18, 5, 'REJECTED', '18-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1083, 10, 5, 1, 'REJECTED', '15-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1084, 7, 11, 2, 'REJECTED', '14-Jul-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1085, 3, 2, 1, 'REJECTED', '11-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1086, 8, 15, 1, 'REJECTED', '05-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1087, 6, 18, 3, 'REJECTED', '29-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1088, 3, 20, 3, 'APPROVED', '10-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1089, 9, 9, 2, 'REJECTED', '18-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1090, 1, 7, 4, 'REJECTED', '26-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1091, 6, 4, 3, 'REJECTED', '24-Sep-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1092, 6, 13, 2, 'APPROVED', '02-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1093, 4, 6, 3, 'REJECTED', '08-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1094, 5, 18, 3, 'REJECTED', '26-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1095, 10, 3, 5, 'APPROVED', '31-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1096, 7, 17, 5, 'APPROVED', '19-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1097, 6, 5, 4, 'APPROVED', '24-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1098, 1, 4, 4, 'APPROVED', '25-Jun-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1099, 10, 1, 2, 'APPROVED', '25-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1100, 3, 2, 3, 'REJECTED', '26-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1101, 10, 15, 1, 'APPROVED', '31-Jan-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1102, 5, 2, 2, 'APPROVED', '17-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1103, 7, 12, 5, 'APPROVED', '14-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1104, 9, 6, 1, 'APPROVED', '17-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1105, 9, 16, 5, 'REJECTED', '11-Feb-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1106, 1, 11, 1, 'REJECTED', '08-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1107, 8, 5, 4, 'APPROVED', '08-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1108, 9, 8, 4, 'APPROVED', '24-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1109, 8, 17, 4, 'REJECTED', '11-Jan-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1110, 3, 17, 2, 'REJECTED', '08-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1111, 3, 2, 1, 'APPROVED', '27-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1112, 8, 14, 5, 'REJECTED', '27-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1113, 6, 18, 1, 'APPROVED', '10-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1114, 2, 5, 1, 'APPROVED', '28-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1115, 5, 11, 4, 'REJECTED', '14-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1116, 4, 16, 4, 'REJECTED', '09-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1117, 9, 14, 5, 'REJECTED', '09-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1118, 9, 18, 2, 'REJECTED', '20-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1119, 10, 16, 1, 'REJECTED', '29-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1120, 6, 7, 2, 'APPROVED', '02-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1121, 1, 1, 3, 'REJECTED', '25-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1122, 7, 7, 2, 'APPROVED', '07-Dec-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1123, 8, 2, 2, 'REJECTED', '29-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1124, 10, 9, 1, 'APPROVED', '29-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1125, 5, 8, 1, 'APPROVED', '21-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1126, 9, 16, 1, 'APPROVED', '05-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1127, 9, 20, 5, 'REJECTED', '27-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1128, 2, 7, 4, 'REJECTED', '14-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1129, 10, 19, 1, 'APPROVED', '02-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1130, 4, 13, 5, 'REJECTED', '07-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1131, 7, 20, 2, 'APPROVED', '13-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1132, 7, 6, 4, 'REJECTED', '15-Nov-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1133, 2, 2, 1, 'REJECTED', '28-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1134, 9, 17, 4, 'REJECTED', '20-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1135, 9, 12, 1, 'REJECTED', '16-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1136, 2, 18, 5, 'APPROVED', '17-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1137, 1, 17, 4, 'REJECTED', '19-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1138, 9, 20, 4, 'APPROVED', '16-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1139, 1, 8, 2, 'APPROVED', '24-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1140, 6, 2, 3, 'REJECTED', '13-Dec-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1141, 7, 16, 4, 'REJECTED', '16-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1142, 8, 13, 5, 'REJECTED', '05-Jul-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1143, 5, 5, 5, 'APPROVED', '21-Dec-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1144, 6, 1, 1, 'REJECTED', '05-Jul-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1145, 10, 5, 1, 'APPROVED', '26-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1146, 2, 4, 4, 'APPROVED', '29-Sep-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1147, 8, 12, 3, 'REJECTED', '29-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1148, 5, 11, 2, 'REJECTED', '30-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1149, 1, 18, 2, 'REJECTED', '12-Feb-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1150, 9, 18, 1, 'APPROVED', '15-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1151, 2, 3, 3, 'APPROVED', '22-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1152, 8, 17, 2, 'REJECTED', '28-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1153, 8, 9, 5, 'APPROVED', '27-May-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1154, 3, 17, 1, 'APPROVED', '15-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1155, 4, 8, 4, 'REJECTED', '23-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1156, 5, 9, 1, 'APPROVED', '21-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1157, 9, 4, 1, 'REJECTED', '03-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1158, 2, 14, 5, 'REJECTED', '30-Jul-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1159, 1, 1, 3, 'APPROVED', '28-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1160, 1, 13, 1, 'REJECTED', '23-May-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1161, 6, 1, 2, 'REJECTED', '12-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1162, 6, 2, 2, 'REJECTED', '01-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1163, 2, 11, 1, 'REJECTED', '26-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1164, 1, 3, 4, 'REJECTED', '01-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1165, 1, 17, 1, 'REJECTED', '03-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1166, 6, 14, 4, 'REJECTED', '07-Dec-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1167, 9, 12, 1, 'REJECTED', '16-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1168, 8, 12, 4, 'APPROVED', '18-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1169, 3, 20, 5, 'REJECTED', '12-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1170, 2, 11, 4, 'APPROVED', '12-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1171, 7, 5, 2, 'REJECTED', '26-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1172, 4, 7, 5, 'REJECTED', '31-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1173, 2, 18, 2, 'APPROVED', '14-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1174, 7, 16, 4, 'REJECTED', '26-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1175, 8, 18, 4, 'APPROVED', '13-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1176, 1, 1, 1, 'APPROVED', '19-Jun-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1177, 1, 3, 4, 'REJECTED', '18-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1178, 5, 15, 5, 'REJECTED', '18-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1179, 3, 12, 3, 'REJECTED', '11-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1180, 7, 10, 2, 'REJECTED', '22-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1181, 1, 15, 3, 'REJECTED', '02-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1182, 6, 8, 1, 'REJECTED', '05-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1183, 10, 15, 3, 'REJECTED', '25-May-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1184, 10, 4, 1, 'REJECTED', '13-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1185, 1, 8, 4, 'REJECTED', '15-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1186, 2, 20, 1, 'REJECTED', '03-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1187, 4, 4, 1, 'REJECTED', '06-Jun-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1188, 5, 10, 1, 'REJECTED', '25-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1189, 7, 11, 3, 'REJECTED', '06-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1190, 5, 4, 4, 'REJECTED', '11-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1191, 8, 20, 4, 'REJECTED', '29-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1192, 8, 16, 2, 'APPROVED', '03-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1193, 1, 9, 2, 'REJECTED', '26-Nov-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1194, 7, 8, 5, 'APPROVED', '10-Jul-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1195, 9, 15, 4, 'APPROVED', '09-Jun-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1196, 10, 2, 5, 'REJECTED', '23-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1197, 6, 12, 2, 'APPROVED', '04-Sep-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1198, 7, 9, 5, 'APPROVED', '15-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1199, 10, 11, 3, 'REJECTED', '01-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1200, 10, 8, 2, 'APPROVED', '13-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1201, 10, 18, 5, 'APPROVED', '19-Oct-2019');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1204, 8, 18, 3, 'REJECTED', '30-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1205, 9, 5, 1, 'APPROVED', '10-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1206, 8, 4, 4, 'REJECTED', '20-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1207, 8, 11, 5, 'APPROVED', '11-Aug-2018');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1210, 6, 12, 5, 'APPROVED', '18-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1211, 2, 3, 3, 'REJECTED', '28-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1212, 10, 11, 5, 'APPROVED', '06-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1213, 1, 6, 3, 'APPROVED', '02-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1214, 2, 1, 4, 'REJECTED', '23-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1215, 7, 17, 3, 'APPROVED', '27-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1216, 4, 6, 1, 'REJECTED', '30-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1217, 7, 15, 1, 'REJECTED', '16-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1218, 7, 11, 3, 'APPROVED', '29-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1219, 10, 7, 2, 'REJECTED', '06-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1220, 3, 18, 4, 'APPROVED', '25-Feb-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1221, 10, 15, 4, 'REJECTED', '17-Jul-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1222, 3, 9, 2, 'REJECTED', '04-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1223, 8, 7, 3, 'REJECTED', '25-Jun-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1224, 10, 7, 3, 'APPROVED', '03-Jul-2019');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1226, 7, 15, 5, 'REJECTED', '01-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1227, 6, 3, 1, 'APPROVED', '06-Jul-2019');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1229, 7, 8, 5, 'APPROVED', '06-Feb-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1230, 5, 19, 3, 'APPROVED', '09-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1231, 9, 16, 1, 'REJECTED', '23-May-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1232, 2, 10, 2, 'REJECTED', '18-May-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1233, 8, 18, 2, 'REJECTED', '10-Apr-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1234, 8, 14, 2, 'APPROVED', '12-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1235, 2, 8, 3, 'REJECTED', '24-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1236, 3, 3, 4, 'REJECTED', '25-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1237, 10, 7, 3, 'REJECTED', '22-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1238, 1, 18, 1, 'APPROVED', '02-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1239, 5, 9, 1, 'REJECTED', '24-Nov-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1240, 6, 6, 4, 'APPROVED', '03-May-2019');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1242, 6, 12, 2, 'APPROVED', '10-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1243, 10, 7, 2, 'REJECTED', '04-Sep-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1244, 2, 8, 4, 'APPROVED', '15-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1245, 5, 8, 2, 'APPROVED', '12-May-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1246, 6, 17, 2, 'REJECTED', '05-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1247, 6, 14, 2, 'REJECTED', '10-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1248, 7, 18, 4, 'APPROVED', '27-Feb-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1249, 6, 17, 2, 'APPROVED', '07-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1250, 10, 12, 1, 'APPROVED', '28-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1251, 3, 1, 5, 'REJECTED', '23-Jun-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1252, 5, 9, 1, 'REJECTED', '25-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1253, 6, 14, 3, 'REJECTED', '11-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1254, 9, 4, 3, 'REJECTED', '18-Dec-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1255, 4, 10, 2, 'REJECTED', '25-Jan-2018');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1260, 8, 16, 1, 'REJECTED', '23-Sep-2018');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1263, 10, 18, 5, 'REJECTED', '10-Jul-2019');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1265, 3, 20, 2, 'REJECTED', '11-May-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1266, 10, 1, 3, 'REJECTED', '05-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1267, 4, 2, 4, 'APPROVED', '26-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1268, 3, 20, 1, 'REJECTED', '14-Nov-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1269, 8, 4, 1, 'APPROVED', '25-Feb-2018');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1272, 2, 8, 5, 'REJECTED', '02-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1273, 5, 8, 4, 'APPROVED', '22-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1274, 1, 19, 3, 'APPROVED', '31-Aug-2020');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1276, 10, 20, 1, 'REJECTED', '16-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1277, 8, 4, 5, 'APPROVED', '28-Apr-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1278, 6, 2, 5, 'APPROVED', '10-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1279, 2, 3, 3, 'APPROVED', '08-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1280, 1, 10, 5, 'APPROVED', '23-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1281, 5, 14, 4, 'REJECTED', '03-Jun-2020');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1284, 2, 15, 4, 'APPROVED', '18-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1285, 6, 9, 2, 'REJECTED', '05-Jul-2018');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1287, 10, 20, 4, 'APPROVED', '16-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1288, 3, 9, 3, 'REJECTED', '19-Nov-2018');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1290, 7, 4, 5, 'REJECTED', '13-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1291, 2, 3, 5, 'APPROVED', '10-Jun-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1292, 5, 17, 2, 'REJECTED', '12-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1293, 4, 13, 5, 'REJECTED', '03-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1294, 1, 12, 5, 'REJECTED', '02-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1295, 10, 10, 3, 'APPROVED', '15-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1296, 5, 11, 1, 'APPROVED', '19-Jul-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1297, 5, 8, 1, 'REJECTED', '10-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1298, 1, 4, 3, 'APPROVED', '05-Feb-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1299, 10, 16, 4, 'REJECTED', '01-Jun-2019');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1301, 6, 16, 5, 'REJECTED', '25-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1302, 3, 9, 1, 'REJECTED', '31-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1303, 7, 4, 2, 'REJECTED', '10-Feb-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1304, 5, 8, 3, 'REJECTED', '18-May-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1305, 10, 8, 2, 'APPROVED', '22-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1306, 4, 10, 2, 'APPROVED', '19-Mar-2019');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1309, 1, 8, 1, 'APPROVED', '11-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1310, 9, 16, 5, 'REJECTED', '18-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1311, 6, 4, 3, 'REJECTED', '07-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1312, 10, 3, 2, 'APPROVED', '19-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1313, 4, 4, 3, 'REJECTED', '06-Jan-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1314, 6, 4, 2, 'REJECTED', '08-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1315, 8, 16, 5, 'APPROVED', '10-Aug-2019');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1317, 7, 1, 4, 'APPROVED', '09-Jun-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1318, 4, 17, 3, 'REJECTED', '26-May-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1319, 8, 1, 5, 'APPROVED', '14-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1320, 3, 9, 5, 'REJECTED', '03-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1321, 3, 17, 1, 'APPROVED', '12-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1322, 2, 20, 1, 'APPROVED', '14-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1323, 3, 20, 3, 'APPROVED', '16-Feb-2020');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1326, 5, 2, 3, 'REJECTED', '04-Dec-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1327, 2, 7, 1, 'APPROVED', '22-May-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1328, 5, 10, 3, 'APPROVED', '25-Apr-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1329, 1, 20, 3, 'APPROVED', '30-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1330, 6, 13, 2, 'APPROVED', '26-Jul-2019');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1334, 5, 17, 1, 'REJECTED', '02-May-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1335, 7, 19, 5, 'APPROVED', '10-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1336, 9, 17, 2, 'REJECTED', '16-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1337, 1, 6, 4, 'APPROVED', '14-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1338, 1, 4, 2, 'APPROVED', '18-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1339, 7, 19, 5, 'APPROVED', '05-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1340, 8, 15, 2, 'REJECTED', '05-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1341, 4, 9, 1, 'APPROVED', '12-Sep-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1342, 4, 5, 3, 'APPROVED', '24-Feb-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1343, 8, 1, 1, 'REJECTED', '29-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1344, 9, 12, 4, 'REJECTED', '30-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1345, 4, 8, 3, 'APPROVED', '17-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1346, 6, 6, 5, 'APPROVED', '25-Jul-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1347, 3, 15, 1, 'REJECTED', '06-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1348, 1, 10, 3, 'REJECTED', '13-May-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1349, 10, 11, 3, 'APPROVED', '23-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1350, 7, 17, 5, 'APPROVED', '30-Jun-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1351, 8, 6, 4, 'APPROVED', '19-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1352, 8, 16, 3, 'REJECTED', '11-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1353, 6, 15, 3, 'APPROVED', '22-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1354, 8, 15, 1, 'APPROVED', '21-May-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1355, 6, 13, 3, 'REJECTED', '06-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1356, 1, 2, 3, 'APPROVED', '04-Apr-2018');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1361, 10, 16, 1, 'APPROVED', '03-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1362, 7, 4, 3, 'APPROVED', '26-Jul-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1363, 10, 12, 4, 'APPROVED', '04-Apr-2018');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1365, 2, 8, 2, 'APPROVED', '27-Sep-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1366, 1, 3, 4, 'REJECTED', '04-Dec-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1367, 4, 3, 4, 'APPROVED', '12-Mar-2019');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1371, 7, 6, 4, 'APPROVED', '02-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1372, 7, 16, 5, 'REJECTED', '17-Dec-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1373, 1, 11, 1, 'REJECTED', '15-Jun-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1374, 6, 5, 5, 'APPROVED', '28-Jan-2019');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1376, 3, 4, 1, 'REJECTED', '25-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1377, 9, 17, 4, 'REJECTED', '04-Sep-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1378, 2, 17, 4, 'APPROVED', '27-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1379, 7, 13, 3, 'REJECTED', '25-Jul-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1380, 7, 16, 3, 'APPROVED', '12-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1381, 2, 11, 4, 'REJECTED', '10-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1382, 10, 16, 3, 'APPROVED', '20-Apr-2020');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1384, 6, 16, 5, 'REJECTED', '01-Oct-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1385, 6, 15, 2, 'APPROVED', '23-Feb-2018');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1387, 3, 3, 2, 'REJECTED', '02-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1388, 6, 13, 2, 'REJECTED', '20-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1389, 4, 9, 3, 'APPROVED', '24-Mar-2018');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1391, 6, 5, 1, 'REJECTED', '16-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1392, 10, 10, 1, 'APPROVED', '05-Jan-2018');

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insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1394, 6, 19, 3, 'REJECTED', '01-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1395, 9, 15, 2, 'APPROVED', '05-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1396, 2, 9, 2, 'APPROVED', '11-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1397, 3, 14, 2, 'REJECTED', '20-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1398, 8, 7, 3, 'APPROVED', '05-Jun-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1399, 5, 20, 1, 'REJECTED', '05-Nov-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1400, 9, 1, 4, 'REJECTED', '30-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1401, 5, 1, 4, 'REJECTED', '11-Feb-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1402, 8, 19, 3, 'APPROVED', '17-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1403, 3, 7, 2, 'APPROVED', '14-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1404, 10, 3, 1, 'REJECTED', '05-Jun-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1405, 8, 13, 3, 'REJECTED', '05-Apr-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1406, 6, 19, 3, 'APPROVED', '14-Feb-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1407, 9, 4, 5, 'APPROVED', '05-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1408, 4, 14, 3, 'REJECTED', '07-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1409, 10, 11, 4, 'REJECTED', '11-Aug-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1410, 5, 2, 4, 'APPROVED', '25-Feb-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1411, 10, 1, 1, 'REJECTED', '24-Jun-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1412, 7, 1, 3, 'REJECTED', '14-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1413, 10, 4, 1, 'REJECTED', '01-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1414, 3, 12, 1, 'REJECTED', '27-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1415, 4, 2, 3, 'REJECTED', '09-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1416, 8, 12, 5, 'REJECTED', '19-Sep-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1417, 9, 19, 1, 'REJECTED', '12-Jun-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1418, 9, 10, 3, 'APPROVED', '14-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1419, 6, 9, 5, 'APPROVED', '10-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1420, 6, 5, 5, 'APPROVED', '25-Sep-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1421, 7, 19, 2, 'APPROVED', '25-Sep-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1422, 3, 15, 4, 'REJECTED', '30-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1423, 4, 9, 5, 'APPROVED', '04-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1424, 3, 7, 3, 'REJECTED', '03-Jul-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1425, 1, 1, 5, 'REJECTED', '08-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1426, 7, 14, 5, 'APPROVED', '13-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1427, 2, 5, 3, 'REJECTED', '24-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1428, 6, 11, 4, 'REJECTED', '06-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1429, 8, 3, 4, 'APPROVED', '28-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1430, 4, 15, 4, 'REJECTED', '10-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1431, 8, 5, 4, 'APPROVED', '05-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1432, 4, 14, 4, 'APPROVED', '02-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1433, 3, 19, 4, 'REJECTED', '03-Sep-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1434, 8, 1, 1, 'REJECTED', '08-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1435, 2, 2, 1, 'APPROVED', '01-Jul-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1436, 7, 2, 3, 'REJECTED', '22-Jun-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1437, 6, 5, 4, 'APPROVED', '23-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1438, 5, 19, 4, 'REJECTED', '21-Sep-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1439, 9, 9, 5, 'REJECTED', '10-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1440, 7, 15, 2, 'APPROVED', '18-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1441, 3, 7, 3, 'APPROVED', '05-Feb-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1442, 3, 4, 4, 'APPROVED', '22-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1443, 9, 13, 4, 'APPROVED', '15-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1444, 4, 19, 2, 'REJECTED', '06-Feb-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1445, 6, 8, 2, 'APPROVED', '23-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1446, 4, 3, 1, 'APPROVED', '19-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1447, 3, 14, 4, 'APPROVED', '28-May-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1448, 2, 2, 1, 'APPROVED', '15-Jun-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1449, 4, 5, 4, 'APPROVED', '25-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1450, 4, 18, 5, 'REJECTED', '17-Aug-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1451, 3, 16, 1, 'APPROVED', '27-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1452, 7, 15, 3, 'REJECTED', '15-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1453, 8, 8, 5, 'APPROVED', '04-Jun-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1454, 7, 17, 4, 'REJECTED', '26-Mar-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1455, 2, 13, 1, 'REJECTED', '28-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1456, 9, 18, 5, 'REJECTED', '14-Apr-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1457, 8, 11, 3, 'REJECTED', '23-May-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1458, 9, 4, 1, 'REJECTED', '22-Apr-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1459, 7, 18, 5, 'REJECTED', '10-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1460, 10, 9, 1, 'APPROVED', '25-Jan-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1461, 5, 15, 3, 'REJECTED', '30-May-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1462, 4, 11, 4, 'APPROVED', '11-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1463, 10, 2, 5, 'REJECTED', '03-May-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1464, 1, 12, 4, 'APPROVED', '10-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1465, 2, 4, 3, 'APPROVED', '12-Sep-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1466, 7, 17, 2, 'APPROVED', '03-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1467, 3, 1, 4, 'REJECTED', '14-Oct-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1468, 3, 12, 5, 'REJECTED', '07-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1469, 4, 18, 3, 'REJECTED', '03-Jan-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1470, 10, 1, 4, 'APPROVED', '18-Nov-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1471, 3, 1, 1, 'REJECTED', '13-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1472, 1, 1, 5, 'REJECTED', '03-Jul-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1473, 1, 16, 3, 'APPROVED', '31-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1474, 1, 7, 3, 'REJECTED', '11-Feb-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1475, 10, 14, 1, 'REJECTED', '21-Jul-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1476, 9, 1, 5, 'APPROVED', '02-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1477, 1, 5, 3, 'APPROVED', '31-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1478, 9, 11, 5, 'APPROVED', '27-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1479, 6, 11, 2, 'REJECTED', '25-Oct-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1480, 10, 1, 2, 'REJECTED', '16-Feb-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1481, 5, 1, 1, 'APPROVED', '07-Jan-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1482, 4, 15, 3, 'REJECTED', '29-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1483, 2, 7, 3, 'APPROVED', '16-Feb-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1484, 7, 13, 2, 'REJECTED', '05-Jun-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1485, 9, 11, 1, 'APPROVED', '26-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1486, 3, 18, 2, 'REJECTED', '21-Jul-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1487, 3, 4, 4, 'APPROVED', '05-Mar-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1488, 1, 14, 5, 'APPROVED', '07-Sep-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1489, 5, 10, 5, 'APPROVED', '11-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1490, 10, 4, 5, 'REJECTED', '19-May-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1491, 9, 11, 2, 'REJECTED', '27-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1492, 7, 5, 2, 'APPROVED', '21-Mar-2018');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1493, 6, 16, 4, 'APPROVED', '02-Aug-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1494, 7, 20, 5, 'APPROVED', '15-Jan-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1495, 9, 18, 1, 'REJECTED', '28-May-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1496, 9, 10, 3, 'REJECTED', '27-Apr-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1497, 7, 3, 4, 'REJECTED', '29-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1498, 4, 13, 3, 'APPROVED', '30-Dec-2019');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1499, 9, 5, 5, 'REJECTED', '10-Jan-2020');

insert into TRANSACTIONS (transaction\_id, member\_id, product\_id, quantity, approvalstatus, transactiondate) values (1500, 2, 17, 1, 'REJECTED', '07-Apr-2018');

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--TABLE CART

DECLARE

i NUMBER := 10000;

member\_id NUMBER(20);

product\_id NUMBER(20);

quantity NUMBER(20);

CURSOR cur IS SELECT m.member\_id,

p.product\_id,

t.quantity

FROM Transactions t

INNER JOIN Member m ON t.member\_id = m.member\_id

INNER JOIN Product p ON t.product\_id = p.product\_id

AND t.approvalstatus = 'APPROVED';

BEGIN

OPEN cur;

LOOP FETCH cur INTO member\_id, product\_id, quantity;

EXIT WHEN cur%NOTFOUND;

i := i + 1;

INSERT INTO CART VALUES(i, member\_id, product\_id, quantity);

END LOOP;

END;

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--TABLE RATINGTYPE

INSERT INTO RatingType (Valueid, Description) VALUES (1, 'Highly Dissatisfied');

INSERT INTO RatingType (Valueid, Description) VALUES (2, 'Dissatisfied');

INSERT INTO RatingType (Valueid, Description) VALUES (3, 'Neutral');

INSERT INTO RatingType (Valueid, Description) VALUES (4, 'Satisfied');

INSERT INTO RatingType (Valueid, Description) VALUES (5, 'Highly Satisfied');

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--TABLE RATING

insert into RATING (rating\_id, member\_id, product\_id, value) values (1, 1, 1, 1);

insert into RATING (rating\_id, member\_id, product\_id, value) values (2, 1, 5, 1);

insert into RATING (rating\_id, member\_id, product\_id, value) values (3, 1, 6, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (4, 1, 9, 5);

insert into RATING (rating\_id, member\_id, product\_id, value) values (5, 1, 10, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (6, 1, 12, 2);

insert into RATING (rating\_id, member\_id, product\_id, value) values (7, 1, 17, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (8, 1, 18, 5);

insert into RATING (rating\_id, member\_id, product\_id, value) values (9, 2, 1, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (10, 2, 2, 2);

insert into RATING (rating\_id, member\_id, product\_id, value) values (11, 2, 5, 1);

insert into RATING (rating\_id, member\_id, product\_id, value) values (12, 2, 9, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (13, 2, 10, 5);

insert into RATING (rating\_id, member\_id, product\_id, value) values (14, 2, 18, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (15, 2, 20, 1);

insert into RATING (rating\_id, member\_id, product\_id, value) values (16, 3, 11, 2);

insert into RATING (rating\_id, member\_id, product\_id, value) values (17, 3, 16, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (18, 3, 20, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (19, 4, 1, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (20, 4, 8, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (21, 4, 9, 5);

insert into RATING (rating\_id, member\_id, product\_id, value) values (22, 4, 14, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (23, 4, 15, 2);

insert into RATING (rating\_id, member\_id, product\_id, value) values (24, 4, 20, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (25, 5, 6, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (26, 5, 10, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (27, 5, 11, 1);

insert into RATING (rating\_id, member\_id, product\_id, value) values (28, 5, 12, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (29, 5, 17, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (30, 5, 18, 1);

insert into RATING (rating\_id, member\_id, product\_id, value) values (31, 5, 20, 2);

insert into RATING (rating\_id, member\_id, product\_id, value) values (32, 6, 2, 2);

insert into RATING (rating\_id, member\_id, product\_id, value) values (33, 6, 8, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (34, 6, 9, 1);

insert into RATING (rating\_id, member\_id, product\_id, value) values (35, 6, 10, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (36, 6, 11, 5);

insert into RATING (rating\_id, member\_id, product\_id, value) values (37, 6, 14, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (38, 6, 15, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (39, 6, 20, 5);

insert into RATING (rating\_id, member\_id, product\_id, value) values (40, 7, 3, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (41, 7, 4, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (42, 7, 6, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (43, 7, 16, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (44, 7, 17, 5);

insert into RATING (rating\_id, member\_id, product\_id, value) values (45, 8, 1, 1);

insert into RATING (rating\_id, member\_id, product\_id, value) values (46, 8, 2, 2);

insert into RATING (rating\_id, member\_id, product\_id, value) values (47, 8, 4, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (48, 9, 1, 5);

insert into RATING (rating\_id, member\_id, product\_id, value) values (49, 9, 12, 5);

insert into RATING (rating\_id, member\_id, product\_id, value) values (50, 9, 15, 3);

insert into RATING (rating\_id, member\_id, product\_id, value) values (51, 10, 1, 1);

insert into RATING (rating\_id, member\_id, product\_id, value) values (52, 10, 8, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (53, 10, 10, 4);

insert into RATING (rating\_id, member\_id, product\_id, value) values (54, 10, 11, 2);

insert into RATING (rating\_id, member\_id, product\_id, value) values (55, 10, 17, 1);

insert into RATING (rating\_id, member\_id, product\_id, value) values (56, 10, 18, 5);

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--TABLE COMMENTS

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (1, 1, 1, 'Very fast and good OS');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (2, 1, 18, 'MS SQL Server 2016 is better than MS SQL Server 2013R');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (3, 2, 20, 'All Oracle databases are fine');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (4, 3, 20, 'Oracle 12 version is stable database');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (5, 4, 1, 'Well.. 10 version is slower than Linux Suse');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (6, 4, 15, 'I use all the time AutoCAD for any engineering tasks');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (7, 5, 12, 'Office standard 2016 doesn''t support some files');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (8, 6, 14, 'One of the stable versions of MS Office');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (9, 7, 6, 'I had trouble with migration from 2012R to 2016');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (10, 8, 1, 'Good OS!');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (11, 9, 15, 'As usally best engineering tool');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (12, 10, 17, 'Stable version of 10');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (13, 10, 7, 'Oh best Linux ever seen');

insert into COMMENTS (comment\_id, member\_id, product\_id, message) values (14, 5, 8, 'My lovely Debian');

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--SQL

*--------------------------------------------------------------------------*

--pkgMember

*/\**

*USED COLLECTIONS (Nested Table), CURSOR, FUNCTION, PACKAGE, LOOP, INNER JOIN, SQL QUERY*

*FUNCTION getProductQantityByMemberId(g\_member\_id NUMBER) - returns table with product name, product quantity, client name by member id*

*FUNCTION getProductQantityByMemberName(g\_name VARCHAR) - returns table with product name, product quantity, client name by member name*

*FUNCTION getProductTransactionByIdDate(g\_member\_id NUMBER, s\_date Date, e\_date DATE) - returns client name, product name, transaction date, approval status by client id, and between start and end dates*

*FUNCTION getProductTransactionByDate(s\_date Date, e\_date DATE) - returns client name, prodct name, transaction date, approval status by start and end dates*

*\*/*

*-------------------------------------------------------------------*

*--Create TYPE Object for all members*

CREATE OR REPLACE TYPE ProductQantityByMember AS OBJECT (

fullname VARCHAR(50),

productname VARCHAR(50),

quantity NUMBER(20)

);

*--------------------------------------------------------------------------*

*--Create Type as TABLE from TYPE Object*

CREATE OR REPLACE TYPE tableProductQantityByMember IS TABLE OF ProductQantityByMember;

*--------------------------------------------------------------------------*

*--Create TYPE Object for Products Transactions by ID and Date*

CREATE OR REPLACE TYPE ProductTransByIdDate AS OBJECT (

fullname VARCHAR(50),

productname VARCHAR(50),

transaction\_date DATE,

approvalstatus VARCHAR(20)

);

*--------------------------------------------------------------------------*

*--Create Type as TABLE from TYPE Object*

CREATE OR REPLACE TYPE tableProductTransByIdDate IS TABLE OF ProductTransByIdDate;

*--------------------------------------------------------------------------*

*--Create TYPE Object for Product Transactions by Date*

CREATE OR REPLACE TYPE ProductTransactionsByDate AS OBJECT (

fullname VARCHAR(50),

productname VARCHAR(50),

transaction\_date DATE,

approvalstatus VARCHAR(50)

);

*--------------------------------------------------------------------------*

*--Create Type as TABLE from TYPE Object*

CREATE OR REPLACE TYPE tableProductTransactionsByDate IS TABLE OF ProductTransactionsByDate;

*--------------------------------------------------------------------------*

*--Create Package pkgMembers and describe functions in it*

CREATE OR REPLACE PACKAGE pkgMembers AS

FUNCTION getProductQantityByMemberId(g\_member\_id NUMBER) RETURN tableProductQantityByMember;

FUNCTION getProductQantityByMemberName(g\_name VARCHAR) RETURN tableProductQantityByMember;

FUNCTION getProductTransactionByIdDate(g\_member\_id NUMBER, s\_date Date, e\_date DATE) RETURN tableProductTransByIdDate;

FUNCTION getProductTransactionByDate(s\_date Date, e\_date DATE) RETURN tableProductTransactionsByDate;

END pkgMembers;

*--------------------------------------------------------------------------*

*--Create package pkgMembers NODY*

CREATE OR REPLACE PACKAGE BODY pkgMembers AS

*--returns table with product name, product quantity, client name by member id*

FUNCTION getProductQantityByMemberId(g\_member\_id NUMBER) RETURN tableProductQantityByMember AS

t tableProductQantityByMember := tableProductQantityByMember();

fname VARCHAR(50);

pname VARCHAR(50);

q NUMBER(20);

CURSOR cur IS SELECT m.fullname, p.productname, c.quantity FROM member m

INNER JOIN cart c ON m.member\_id = c.member\_id

INNER JOIN product p ON c.product\_id = p.product\_id

AND m.member\_id = g\_member\_id;

BEGIN

OPEN cur;

LOOP FETCH cur INTO

fname,

pname,

q;

EXIT WHEN cur%NOTFOUND;

t.extend;

t(t.last) := ProductQantityByMember(fname, pname, q);

END LOOP;

CLOSE cur;

RETURN t;

END getProductQantityByMemberId;

*--returns table with product name, product quantity, client name by member name*

FUNCTION getProductQantityByMemberName(g\_name VARCHAR) RETURN tableProductQantityByMember AS

t tableProductQantityByMember := tableProductQantityByMember();

fname VARCHAR(50);

pname VARCHAR(50);

q NUMBER(20);

CURSOR cur IS SELECT m.fullname, p.productname, c.quantity FROM member m

INNER JOIN cart c ON m.member\_id = c.member\_id

INNER JOIN product p ON c.product\_id = p.product\_id

AND UPPER(m.fullname) LIKE '%' || UPPER(g\_name) || '%';

BEGIN

OPEN cur;

LOOP FETCH cur INTO

fname,

pname,

q;

EXIT WHEN cur%NOTFOUND;

t.extend;

t(t.last) := ProductQantityByMember(fname, pname, q);

END LOOP;

CLOSE cur;

RETURN t;

END getProductQantityByMemberName;

*--returns client name, product name and transaction date by client id, and between start and end dates*

FUNCTION getProductTransactionByIdDate(g\_member\_id NUMBER, s\_date Date, e\_date DATE) RETURN tableProductTransByIdDate AS

t tableProductTransByIdDate := tableProductTransByIdDate();

fname VARCHAR(50);

pname VARCHAR(50);

t\_date DATE;

approvalstatus VARCHAR(20);

CURSOR cur IS SELECT m.fullname,

p.productname,

t.transactiondate,

t.approvalstatus

FROM member m

INNER JOIN transactions t ON m.member\_id = t.member\_id

INNER JOIN product p ON t.product\_id = p.product\_id

AND m.member\_id = g\_member\_id

AND t.transactiondate BETWEEN s\_date AND e\_date;

BEGIN

OPEN cur;

LOOP FETCH cur INTO

fname,

pname,

t\_date,

approvalstatus;

EXIT WHEN cur%NOTFOUND;

t.extend;

t(t.last) := ProductTransByIdDate(fname, pname, t\_date, approvalstatus);

END LOOP;

CLOSE cur;

RETURN t;

END getProductTransactionByIdDate;

*--returns client name, prodct name, transaction date, approval status by start and end dates*

FUNCTION getProductTransactionByDate(s\_date Date, e\_date DATE) RETURN tableProductTransactionsByDate AS

t tableProductTransactionsByDate := tableProductTransactionsByDate();

fname VARCHAR(50);

pname VARCHAR(50);

t\_date DATE;

approvalstatus VARCHAR(20);

CURSOR cur IS SELECT m.fullname,

p.productname,

t.transactiondate,

t.approvalstatus

FROM member m

INNER JOIN transactions t ON m.member\_id = t.member\_id

INNER JOIN product p ON t.product\_id = p.product\_id

AND t.transactiondate between s\_date AND e\_date;

BEGIN

OPEN cur;

LOOP FETCH cur INTO

fname,

pname,

t\_date,

approvalstatus;

EXIT WHEN cur%NOTFOUND;

t.extend;

t(t.last) := ProductTransactionsByDate(fname, pname, t\_date, approvalstatus);

END LOOP;

CLOSE cur;

RETURN t;

END getProductTransactionByDate;

END pkgMembers;

*--------------------------------------------------------------------------*

*--Test Functions*

SELECT \* FROM TABLE(pkgMembers.getProductQantityByMemberId(4));

*--------------------------------------------------------------------------*

SELECT \* FROM TABLE(pkgMembers.getProductQantityByMemberName('z'));

*--------------------------------------------------------------------------*

SELECT \* FROM TABLE(pkgMembers.getProductTransactionByIdDate(5, '01-Jan-2018', '31-Dec-2018'));

*--------------------------------------------------------------------------*

SELECT \* FROM TABLE(pkgMembers.getProductTransactionByDate('01-Jan-2018', '31-Jan-2018'));

*--------------------------------------------------------------------------*

--pkgRating

*/\**

*USED COLLECIONS (Nested table), CURSOR (RECORD), FUNCTION, PACKAGE, LOOP, INNER JOIN, LEFT JOIN, GROUP BY, ORDER BY*

*FUNCTION getMaxRatingVoteCount - returns max rated products with vote count*

*FUNCTION getRateByClient - returns the list of cleints who voted, voted products, rate score*

*\*/*

*--------------------------------------------------------------------------*

*--Create TYPE Object for max rating and vote count*

CREATE OR REPLACE TYPE MaxRatingVoteCount AS OBJECT (

productname VARCHAR(50),

description VARCHAR(100),

max\_rate NUMBER(20),

vote\_count NUMBER(20)

);

*--------------------------------------------------------------------------*

*--Create Type as TABLE from TYPE Object*

CREATE OR REPLACE TYPE tableMaxRatingVoteCount IS TABLE OF MaxRatingVoteCount;

*--------------------------------------------------------------------------*

*--Create TYPE Object for client and his rate by product*

CREATE OR REPLACE TYPE RateByClient AS OBJECT (

fullname VARCHAR(50),

productname VARCHAR(50),

description VARCHAR(100),

rate NUMBER(20)

);

*--------------------------------------------------------------------------*

*--Create Type as TABLE from TYPE Object*

CREATE OR REPLACE TYPE tableRateByClient IS TABLE OF RateByClient;

*--------------------------------------------------------------------------*

*--Create Package pkgMembers and describe functions in it*

CREATE OR REPLACE PACKAGE pkgRating AS

FUNCTION getMaxRatingVoteCount RETURN tableMaxRatingVoteCount;

FUNCTION getRateByClient RETURN tableRateByClient;

END pkgRating;

*--------------------------------------------------------------------------*

*--Create package pkgMembers NODY*

CREATE OR REPLACE PACKAGE BODY pkgRating AS

*--get max rating and vote count by product*

FUNCTION getMaxRatingVoteCount RETURN tableMaxRatingVoteCount AS

t tableMaxRatingVoteCount := tableMaxRatingVoteCount();

pname VARCHAR(50);

description VARCHAR(50);

max\_rate NUMBER(20);

vote\_count NUMBER(20);

BEGIN

FOR rec IN (SELECT p.productname,

rt.description,

MAX(r.value) AS max\_rate,

COUNT(\*) AS vote\_count

FROM Rating r

LEFT JOIN Product p ON r.product\_id = p.product\_id

LEFT JOIN Member m ON r.member\_id = m.member\_id

INNER JOIN Ratingtype rt ON r.value = rt.valueid

and r.value in (SELECT MAX(value) FROM Rating)

GROUP BY p.productname, rt.description

ORDER BY vote\_count DESC)

LOOP

pname := rec.productname;

description := rec.description;

max\_rate := rec.max\_rate;

vote\_count := rec.vote\_count;

t.extend;

t(t.last) := MaxRatingVoteCount(pname, description, max\_rate, vote\_count);

END LOOP;

RETURN t;

END getMaxRatingVoteCount;

*--get all rates by client*

FUNCTION getRateByClient RETURN tableRateByClient AS

t tableRateByClient := tableRateByClient();

fname VARCHAR(50);

pname VARCHAR(50);

description VARCHAR(50);

rate NUMBER(20);

BEGIN

FOR rec IN (SELECT m.fullname,

p.productname,

rt.description,

r.value AS Rate

FROM Member m

INNER JOIN Rating r ON m.member\_id = r.member\_id

INNER JOIN Ratingtype rt ON r.value = rt.valueid

INNER JOIN Product p ON r.product\_id = p.product\_id

ORDER BY Rate DESC)

LOOP

fname := rec.fullname;

pname := rec.productname;

description := rec.description;

rate := rec.Rate;

t.extend;

t(t.last) := RateByClient(fname, pname, description, rate);

END LOOP;

RETURN t;

END getRateByClient;

END pkgRating;

*--------------------------------------------------------------------------*

*--Test Functions*

*--------------------------------------------------------------------------*

SELECT \* FROM TABLE(pkgRating.getMaxRatingVoteCount());

*--------------------------------------------------------------------------*

SELECT \* FROM TABLE(pkgRating.getRateByClient());

*--------------------------------------------------------------------------*

--pkgProduct

*/\**

*USED COLLECIONS (Nested table), CURSOR (RECORD), FUNCTION, PACKAGE, LOOP, INNER JOIN, GROUP BY, ORDER BY, Aggregate Functions (MAX, COUNT, AVG)*

*FUNCTION getSelledProducts RETURN tableSelledProducts - returns all selled products*

*FUNCTION getProductAvgRate RETURN tableProductAvgRate - returns products with average rate*

*FUNCTION getCommentByClient RETURN tableCommentByClient - returns comments of clients on products*

*\*/*

*--------------------------------------------------------------------------*

*--Create TYPE Object for max rating and vote count*

CREATE OR REPLACE TYPE SelledProducts AS OBJECT (

productname VARCHAR(50),

selled\_count NUMBER(20),

price NUMBER(20),

total\_sum NUMBER(20)

);

*--------------------------------------------------------------------------*

*--Create Type as TABLE from TYPE Object*

CREATE OR REPLACE TYPE tableSelledProducts IS TABLE OF SelledProducts;

*--------------------------------------------------------------------------*

*--Create TYPE Object for max rating and vote count*

CREATE OR REPLACE TYPE ProductAvgRate AS OBJECT (

productname VARCHAR(50),

avg\_rate NUMBER(20)

);

*--------------------------------------------------------------------------*

*--Create Type as TABLE from TYPE Object*

CREATE OR REPLACE TYPE tableProductAvgRate IS TABLE OF ProductAvgRate;

*--------------------------------------------------------------------------*

*--Create TYPE Object for max rating and vote count*

CREATE OR REPLACE TYPE CommentByClient AS OBJECT (

fullname VARCHAR(50),

productname VARCHAR(50),

message VARCHAR(500)

);

*--------------------------------------------------------------------------*

*--Create Type as TABLE from TYPE Object*

CREATE OR REPLACE TYPE tableCommentByClient IS TABLE OF CommentByClient;

*--------------------------------------------------------------------------*

*--Create Package pkgMembers and describe functions in it*

CREATE OR REPLACE PACKAGE pkgProduct AS

FUNCTION getSelledProducts RETURN tableSelledProducts;

FUNCTION getProductAvgRate RETURN tableProductAvgRate;

FUNCTION getCommentByClient RETURN tableCommentByClient;

END pkgProduct;

*-------------------------------------------------------------------*

*--Create package pkgMembers NODY*

CREATE OR REPLACE PACKAGE BODY pkgProduct AS

*--get selled products list*

FUNCTION getSelledProducts RETURN tableSelledProducts AS

t tableSelledProducts := tableSelledProducts();

BEGIN

FOR rec IN (SELECT p.productname,

COUNT(c.quantity) AS selled\_count,

p.price,

SUM(p.price) AS total\_sum

FROM Product p

INNER JOIN Cart c ON p.product\_id = c.product\_id

GROUP BY p.productname, p.price

ORDER BY total\_sum DESC)

LOOP

t.extend;

t(t.last) := SelledProducts(rec.productname, rec.selled\_count, rec.price, rec.total\_sum);

END LOOP;

RETURN t;

END getSelledProducts;

*--get average rate per product*

FUNCTION getProductAvgRate RETURN tableProductAvgRate AS

t tableProductAvgRate := tableProductAvgRate();

BEGIN

FOR rec IN (SELECT p.productname,

ROUND(AVG(r.value), 0) AS Average\_rate

FROM Product p

INNER JOIN Rating r ON p.product\_id = r.product\_id

GROUP BY p.productname

ORDER BY Average\_rate DESC)

LOOP

t.extend;

t(t.last) := ProductAvgRate(rec.productname, rec.Average\_rate);

END LOOP;

RETURN t;

END getProductAvgRate;

*--get client comments on products*

FUNCTION getCommentByClient RETURN tableCommentByClient AS

t tableCommentByClient := tableCommentByClient();

BEGIN

FOR rec IN (SELECT m.fullname,

p.productname,

cm.message

FROM Product p

INNER JOIN Comments cm ON p.product\_id = cm.product\_id

INNER JOIN Member m ON cm.member\_id = m.member\_id

ORDER BY m.fullname)

LOOP

t.extend;

t(t.last) := CommentByClient(rec.fullname, rec.productname, rec.message);

END LOOP;

RETURN t;

END getCommentByClient;

END pkgProduct;

*-------------------------------------------------------------------*

*--Test Functions*

*-------------------------------------------------------------------*

SELECT \* FROM TABLE(pkgProduct.getSelledProducts());

*-------------------------------------------------------------------*

SELECT \* FROM TABLE(pkgProduct.getProductAvgRate());

*-------------------------------------------------------------------*

SELECT \* FROM TABLE(pkgProduct.getCommentByClient());

*-------------------------------------------------------------------*

--pkgDynamicSQL

*/\**

*USED FUNCTION, PROCEDURE, PACKAGE, INNER JOIN, DYNAMIC SQL, TRANSACTION, GROUP BY, ORDER BY*

*--FUNCTION getClientMaxBuyProduct – returns maximum bought product my client using client id*

*--InsertMember - procedure inserts into table Member new client*

*--InsertTransactions - procedure inserts into table Transactions new transaction and checks Cart table,*

*if there is no such client and status APPROVED, creates new one, if exists then update quantity of cart with new quantiny*

*--InsertProduct - procedure inserts new product to the table Product*

*--InsertRating - procedure inserts to the table Rating new rating*

*--InsertComments - procedure inserts new comment to the Comments table*

*\*/*

*---------------------------------------------------------------------------*

CREATE OR REPLACE PACKAGE pkgDynamicSQL AS

FUNCTION getClientMaxBuyProduct(g\_member\_id NUMBER) RETURN VARCHAR;

PROCEDURE InsertMember( username VARCHAR,

password VARCHAR,

email VARCHAR,

fullname VARCHAR,

address VARCHAR,

phone VARCHAR,

gender VARCHAR,

birth\_date DATE);

PROCEDURE InsertTransactions(mem\_id NUMBER,

prod\_id NUMBER,

quan NUMBER,

approvalstatus VARCHAR,

transactiondate DATE);

PROCEDURE InsertProduct(productname VARCHAR,

producttype NUMBER,

description VARCHAR,

stock NUMBER,

price NUMBER,

imagesource VARCHAR);

PROCEDURE InsertRating(member\_id NUMBER, product\_id NUMBER, value NUMBER);

PROCEDURE InsertComments(member\_id NUMBER, product\_id NUMBER, message VARCHAR2);

END pkgDynamicSQL;

*---------------------------------------------------------------------------*

CREATE OR REPLACE PACKAGE BODY pkgDynamicSQL AS

FUNCTION getClientMaxBuyProduct(g\_member\_id NUMBER) RETURN VARCHAR IS

pname VARCHAR(50);

dynamicsql VARCHAR2(500);

BEGIN

dynamicsql := 'SELECT productname FROM(SELECT p.productname FROM cart c

INNER JOIN Member m ON c.member\_id = m.member\_id

INNER JOIN Product p ON c.product\_id = p.product\_id

AND c.quantity = (SELECT MAX(quantity) FROM cart WHERE member\_id = :member\_id)

AND m.member\_id = :member\_id

GROUP BY p.productname, c.quantity)

WHERE ROWNUM = 1';

EXECUTE IMMEDIATE dynamicsql INTO pname USING g\_member\_id, g\_member\_id;

RETURN pname;

END;

PROCEDURE InsertMember(username VARCHAR,

password VARCHAR,

email VARCHAR,

fullname VARCHAR,

address VARCHAR,

phone VARCHAR,

gender VARCHAR,

birth\_date DATE)

AS

dynamicsql VARCHAR2(500);

mem\_id NUMBER(20) := 0;

BEGIN

SAVEPOINT before\_insert\_data1;

SELECT MAX(member\_id) INTO mem\_id FROM Member;

mem\_id := mem\_id + 1;

dynamicsql := 'INSERT INTO Member

VALUES (:mem\_id,

:username,

:password,

:email,

:fullname,

:address,

:phone,

:gender,

:birth\_date)';

*--Execute Dynamic SQL*

EXECUTE IMMEDIATE dynamicsql USING mem\_id, username, password, email, fullname, address, phone, gender, birth\_date;

EXCEPTION

WHEN OTHERS THEN

*-- Rollback everything which was made after `SAVEPOINT before\_insert\_data`*

ROLLBACK TO before\_insert\_data1;

RAISE;

END InsertMember;

PROCEDURE InsertTransactions(mem\_id NUMBER,

prod\_id NUMBER,

quan NUMBER,

approvalstatus VARCHAR,

transactiondate DATE)

AS

last\_tran\_id NUMBER(20) := 0;

c\_id NUMBER(20) := 0;

BEGIN

SELECT MAX(transaction\_id) INTO last\_tran\_id FROM Transactions;

last\_tran\_id := last\_tran\_id + 1;

INSERT INTO Transactions VALUES (last\_tran\_id, mem\_id, prod\_id, quan, approvalstatus, transactiondate);

SELECT Cart\_id INTO c\_id FROM Cart WHERE product\_id = prod\_id AND member\_id = mem\_id;

IF approvalstatus = 'APPROVED' THEN

UPDATE Cart SET quantity = quantity + quan WHERE Cart\_id = c\_id;

END IF;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

IF approvalstatus = 'APPROVED' THEN

SELECT MAX(cart\_id) INTO c\_id FROM Cart;

c\_id := c\_id + 1;

INSERT INTO Cart VALUES (c\_id, mem\_id, prod\_id, 0);

UPDATE Cart SET quantity = quan WHERE member\_id = mem\_id AND product\_id = prod\_id;

END IF;

END InsertTransactions;

PROCEDURE InsertProduct(productname VARCHAR,

producttype NUMBER,

description VARCHAR,

stock NUMBER,

price NUMBER,

imagesource VARCHAR)

AS

prod\_id NUMBER(10) := 0;

BEGIN

SAVEPOINT before\_insert\_data2;

SELECT MAX(product\_id) INTO prod\_id FROM Product;

prod\_id := prod\_id + 1;

INSERT INTO Product VALUES(prod\_id, productname, producttype, description, stock, price, imagesource);

EXCEPTION

WHEN OTHERS THEN

*-- Rollback everything which was made after `SAVEPOINT before\_insert\_data`*

ROLLBACK TO before\_insert\_data2;

RAISE;

END InsertProduct;

PROCEDURE InsertRating(member\_id NUMBER, product\_id NUMBER, value NUMBER)

AS

rate\_id NUMBER(10) := 0;

BEGIN

SAVEPOINT before\_insert\_data3;

SELECT MAX(rating\_id) INTO rate\_id FROM Rating;

rate\_id := rate\_id + 1;

INSERT INTO Rating VALUES(rate\_id, member\_id, product\_id, value);

EXCEPTION

WHEN OTHERS THEN

*-- Rollback everything which was made after `SAVEPOINT before\_insert\_data`*

ROLLBACK TO before\_insert\_data3;

RAISE;

END InsertRating;

PROCEDURE InsertComments(member\_id NUMBER, product\_id NUMBER, message VARCHAR2)

AS

comm\_id NUMBER(10) := 0;

BEGIN

SAVEPOINT before\_insert\_data4;

SELECT MAX(comment\_id) INTO comm\_id FROM Comments;

comm\_id := comm\_id + 1;

INSERT INTO Comments VALUES(comm\_id, member\_id, product\_id, message);

EXCEPTION

WHEN OTHERS THEN

*-- Rollback everything which was made after `SAVEPOINT before\_insert\_data`*

ROLLBACK TO before\_insert\_data4;

RAISE;

END InsertComments;

END pkgDynamicSQL;

*---------------------------------------------------------------------------*

*--test Dynamic SQL getClientMaxBuyProduct*

declare

a varchar(50);

begin

a := pkgDynamicSQL.getClientMaxBuyProduct(5);

dbms\_output.put\_line(a);

end;

*---------------------------------------------------------------------------*

BEGIN

*--test Dynamic SQL insert into Member*

*--pkgdynamicsql.InsertMember('liquid1983', 'pwd123', 'abc@gmail.com', 'Yessey Maratov', 'Abay 190 apt 5', '87007004433', 'M', '08-10-1983');*

*---------------------------------------------------------------------------*

*--pkgdynamicsql.InsertTransactions(11, 19, 4, 'APPROVED', sysdate);*

*--pkgdynamicsql.insertproduct('Windows XP Pro', 1, 'Home Desktop', 20, 7000, 'https://docs.oracle.com/cd/B10501\_01/appdev.920/a96624/07\_errs.htm');*

*--pkgdynamicsql.InsertRating(10, 10, 5);*

*--pkgdynamicsql.insertcomments(10, 10, 'test message');*

END;

*---------------------------------------------------------------------------*

select \* from member where member\_id = 11;

SELECT \* FROM Transactions where member\_id = 11;

select \* from cart where member\_id = 11

select \* from rating where rating\_id = 57;

select \* from comments where comment\_id = 15;

*---------------------------------------------------------------------------*

delete from transactions where member\_id = 11;

delete from cart where member\_id=11;

delete from member where member\_id = 11;

delete from product where product\_id = 21;

delete from rating where rating\_id=57

delete from comments where comment\_id=15

*---------------------------------------------------------------------------*

--pkgDesign

CREATE OR REPLACE TYPE objClientOrders AS OBJECT (

MEMBER\_ID NUMBER(20),

TRANSACTION\_ID NUMBER(20),

PRODUCT\_NAME VARCHAR(100),

QUANTITY NUMBER(20),

RATING VARCHAR(20),

TRANSACTION\_DATE DATE,

APPROVALSTATUS VARCHAR(100),

PRICE NUMBER(20)

);

*--------------------------------------------------------------------------*

*--Create Type as TABLE from TYPE Object*

CREATE OR REPLACE TYPE tblClientOrders IS TABLE OF objClientOrders;

*--------------------------------------------------------------------------*

create or replace PACKAGE pkgDesign AS

FUNCTION getClientOrders RETURN tblClientOrders;

END pkgDesign;

*--------------------------------------------------------------------------*

create or replace PACKAGE BODY pkgDesign AS

*--get selled products list*

FUNCTION getClientOrders RETURN tblClientOrders AS

t tblClientOrders := tblClientOrders();

BEGIN

FOR rec IN (select

t.member\_id AS MEMBER\_ID,

t.transaction\_id AS TRANSACTION\_ID,

p.productname AS PRODUCT\_NAME,

t.quantity AS QUANTITY,

(select rt.description from rating r2, ratingtype rt where r2.value = rt.valueid and product\_id = p.product\_id and member\_id = t.member\_id) AS RATING,

t.transactiondate AS TRANSACTION\_DATE,

t.approvalstatus AS APPROVALSTATUS,

p.price AS PRICE

from transactions t

inner join product p on t.product\_id = p.product\_id)

LOOP

t.extend;

t(t.last) := objClientOrders(rec.MEMBER\_ID, rec.TRANSACTION\_ID, rec.PRODUCT\_NAME, rec.QUANTITY, rec.RATING, rec.TRANSACTION\_DATE, rec.APPROVALSTATUS, rec.PRICE);

END LOOP;

RETURN t;

END getClientOrders;

END pkgDesign;

----------------------------------------------------------------------------------------------------------------------------------------

*--Test function*

select \* from table(pkgDesign.getClientOrders);

----------------------------------------------------------------------------------------------------------------------------------------

--TRIGGER

*--Check inserting new quantity to the Transaction by product,*

*--if it is higher than quantity from product, then reject Insert into Transactions*

CREATE OR REPLACE TRIGGER CompareProductStockNewStock

BEFORE INSERT OR UPDATE ON Transactions FOR EACH ROW

DECLARE

p\_stock NUMBER(20);

BEGIN

SELECT Stock INTO p\_stock FROM Product WHERE product\_id = :NEW.product\_id;

IF :NEW.Quantity > p\_stock THEN

raise\_application\_error(-20900,'You can not buy more pieces than available in the stock');

DBMS\_OUTPUT.put\_line ('You can not buy more pieces than available in the stock');

END IF;

END CompareProductStockNewStock;

----------------------------------------------------------------------------------------------------------------------------------------

CREATE TABLE Product\_log (

**id** INT **GENERATED** **ALWAYS** **AS** **IDENTITY**,

product\_id NUMBER(20),

username VARCHAR(50),

change\_date DATE,

old\_price NUMBER

);

----------------------------------------------------------------------------------------------------------------------------------------

CREATE OR REPLACE TRIGGER Product\_before\_update\_trigger

BEFORE UPDATE

ON Product FOR EACH ROW

DECLARE

updated\_user varchar2(20);

BEGIN

SELECT user INTO updated\_user

FROM dual;

INSERT INTO Product\_log (product\_id, username, Change\_Date, Old\_Price) VALUES(

:OLD.PRODUCT\_ID,

updated\_user,

SYSDATE,

:OLD.PRICE);

END;

----------------------------------------------------------------------------------------------------------------------------------------

CREATE OR REPLACE TRIGGER CheckApproveForCart

BEFORE INSERT OR UPDATE ON Transactions FOR EACH ROW

DECLARE

mem\_id NUMBER(20) := 0;

prod\_id NUMBER(20) := 0;

max\_cart\_id NUMBER(20) := 0;

BEGIN

SELECT member\_id, product\_id INTO mem\_id, prod\_id FROM Cart WHERE member\_id = :NEW.member\_id AND product\_id = :NEW.product\_id;

IF :NEW.approvalstatus = 'APPROVED' THEN

IF mem\_id > 0 AND prod\_id > 0 THEN

UPDATE Cart SET quantity = quantity + :NEW.quantity WHERE member\_id = :NEW.member\_id AND product\_id = :NEW.product\_id;

UPDATE Product set stock = stock - :NEW.quantity WHERE product\_id = :NEW.product\_id;

END IF;

END IF;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

IF :NEW.approvalstatus = 'APPROVED' THEN

IF mem\_id = 0 AND prod\_id = 0 THEN

SELECT MAX(cart\_id) INTO max\_cart\_id FROM Cart;

max\_cart\_id := max\_cart\_id + 1;

INSERT INTO Cart (cart\_id, member\_id, product\_id, quantity) VALUES (max\_cart\_id, :NEW.member\_id, :NEW.product\_id, :NEW.quantity);

UPDATE Product set stock = stock - :NEW.quantity WHERE product\_id = :NEW.product\_id;

END IF;

END IF;

END CheckApproveForCart;

----------------------------------------------------------------------------------------------------------------------------------------

*--Test trigger CompareProductStockNewStock*

update product set price = 14000 where product\_id = 1

select \* from product where product\_id = 1

select \* from product\_log

----------------------------------------------------------------------------------------------------------------------------------------

*--Test trigger CheckApproveForCart*

select \* from member

select \* from cart where member\_id = 9 and product\_id = 12

select \* from product

----------------------------------------------------------------------------------------------------------------------------------------

--CREATE INDEX ON TRANSACTIONS TABLE

*--CREATE INDEX ON TABLE TRANSACTIONS (member\_id)*

CREATE INDEX tran\_member\_id\_index

ON TRANSACTIONS(member\_id);

*--CREATE INDEX ON TABLE TRANSACTIONS (product\_id)*

CREATE INDEX tran\_product\_id\_index

ON TRANSACTIONS(product\_id);

*--CREATE INDEX ON TABLE TRANSACTIONS (transactiondate)*

CREATE INDEX tran\_transactiondate\_index

ON TRANSACTIONS(transactiondate);

----------------------------------------------------------------------------------------------------------------------------------------