**GROUP 20 – Project 1 – Phase 2 [Tanmay Kakade-1002023412 & Aravind Ranganathan-1002027463]**

Artist:Graphical user interface

Description automatically generated with medium confidence

Artwork:

Graphical user interface

Description automatically generated with medium confidence

Contract:Graphical user interface, text, application

Description automatically generated

Customer:

Graphical user interface, application

Description automatically generated

Bought:Graphical user interface, text, application, email

Description automatically generated

State:

Graphical user interface, text, application

Description automatically generated

Payments:Graphical user interface, application

Description automatically generated

Q1) Query -: SELECT stateName, COUNT(\*) FROM artist INNER JOIN state ON artist.stateAb=state.stateAb GROUP BY stateName;

Graphical user interface, text, application

Description automatically generated

Q2) Query -: SELECT artist.Name,artist.birthDate,artwork.title FROM artist JOIN artwork ON artist.aID=artwork.aID JOIN bought ON artwork.artID=bought.artID WHERE bought.saleDate="2021-08-08";

Graphical user interface, text, application

Description automatically generated

Q3) Query -: SELECT DISTINCT artist.Name,artist.street,artist.stateAb,artist.city,artist.zipcode FROM artist WHERE LEFT(Name,1) IN ('a','e','i','o','u');

Graphical user interface, text, application

Description automatically generated

Q4) Query -: SELECT artist.Name,artwork.title,artwork.price FROM artist JOIN artwork ON artist.aID=artwork.aID WHERE artwork.price>20000 AND artwork.price<40000 ORDER BY artwork.price;

Graphical user interface, text, application

Description automatically generated

Q5) Query -: SELECT artist.Name,artwork.title,(artwork.price) FROM artist JOIN artwork ON artist.aID= artwork.aID ORDER BY artwork.price ASC LIMIT 10;

Graphical user interface, text, application, email

Description automatically generated

Q6) Query -: SELECT artist.Name,artwork.title,state.stateName,CONCAT('$',artwork.price,'.00') FROM artist JOIN artwork ON artist.aID=artwork.aID JOIN state ON artist.stateAb=state.stateAb WHERE state.stateName="Kansas" AND artwork.price>8000 AND artwork.price<15000;

Graphical user interface, text, application

Description automatically generated

Q7) Query -: SELECT artist.Name, COUNT (\*),state.stateName FROM artist JOIN state ON artist.stateAb = state.stateAb JOIN artwork ON artist.aID = artwork.aID WHERE state.stateName!="Texas" GROUP BY artist.Name;

Graphical user interface, text, application, email

Description automatically generated

Q8) Query -: SELECT artist.alD,artist.Name, artwork.title,MIN(CONCAT('$',artwork.price,'.00')),MAX (CONCAT ('$',artwork.price,'.00')) ,AVG (CONCAT ('$',artwork.price,'.00')), state.stateName FROM artist JOIN artwork ON artist.alD = artwork.aID JOIN state ON artist.stateAb = state.stateAb WHERE state.stateName ="Kansas" GROUP BY artist.Name;

Graphical user interface, text, application, email

Description automatically generated

Q9) Query -: SELECT ST.stateName , COUNT(CU.cID) AS NUM\_CUST FROM customer CU JOIN state ST ON CU.stateAb= ST.stateAb GROUP BY CU.stateAb;Graphical user interface, text, application

Description automatically generated

Q10) Query -: SELECT AR.name,AT.title,AT.price FROM artist AR JOIN artwork AT WHERE AR.aID=AT.aID ORDER BY AT.price DESC LIMIT 1;Graphical user interface, text, application, email

Description automatically generated

Q11) Query -: SELECT CT.name, ST.stateName,AT.TITLE FROM bought B JOIN customer CT ON B.cID=CT.cID JOIN state ST ON CT.stateAb=ST.stateAb JOIN artwork AT ON AT.artID= B.artID WHERE B.artID IN ( SELECT BT.artID FROM bought BT GROUP BY BT.artID HAVING COUNT(BT.artID) = 1);

Graphical user interface, text, application

Description automatically generated

Q12) Query -: SELECT ST.stateName,AR.name, AT.form, COUNT(AT.form) AS NUM\_PICES FROM state ST JOIN artist AR ON ST.stateAb= AR.stateAb JOIN artwork AT ON AR.aID=AT.aID GROUP BY ST.stateName,AR.name, AT.form;

Graphical user interface, text, application

Description automatically generated

Graphical user interface

Description automatically generated

Q13) Query -: SELECT CT.name, ST.stateName,AT.TITLE FROM bought B JOIN customer CT ON B.cID=CT.cID JOIN state ST ON CT.stateAb=ST.stateAb JOIN artwork AT ON AT.artID= B.artID WHERE B.artID IN ( SELECT BT.artID FROM bought BT GROUP BY BT.artID HAVING COUNT(BT.artID) > 1);

Graphical user interface, text, application

Description automatically generated

Q14) Query -:

DELETE FROM state WHERE stateAb='TX';

Graphical user interface

Description automatically generated with medium confidence

Q15) Query -: UPDATE payments set artID = '61' WHERE pID = 1;

Graphical user interface, application, Word

Description automatically generated

Q16) Query -: INSERT INTO artist(aID) VALUES(NULL);

A picture containing application

Description automatically generated

INSERT INTO artist(aID) VALUES(1);

Graphical user interface, application

Description automatically generated

INSERT INTO artist(stateAb) VALUES("CA");Shape

Description automatically generated

HONOR CODE

Tanmay Kakade - 1002023412

Text, letter

Description automatically generated

Aravind Ranganathan – 1002027463

Text, letter

Description automatically generated