ART GALLERY DATABASE MANAGEMENT

SYSTEM.

DBMS assignment-1

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<u>ABSTRACT</u>

(For art gallery database management system)

An art gallery or art museum is a building or space for the exhibition of art, usually visual art. The gallery database keeps the basic information of the artworks in the gallery and the details of the artists. The core of this product is a database with a schema that contains that captures all the information that the gallery needs to keep. The specific information that the gallery keeps includes the data about the artist ie his/name, birthplace, age and the style of art. For each piece of art the artist, the year it was made, its unique title, its type of art and its price will be saved. Finally, the gallery keeps information about customer, for each customer the gallery keeps a unique Id, address, total amount of money spent in the gallery etc.

Requirement Analysis

ENTITY 1:

Entity name: [ARTIST]

Attributes, Data types:

- 1. Name(Primary key)_{VARCHAR2}
- 2. Birthplace_{VARCHAR2}
- 3. Age_{NUMBER}
- 4. Style of art_{VARCHAR2}

ENTITY 2:

Entity name:[ARTWORK]

Attributes, Data types:

- 1. Art name(Primary key)_{VARCHAR2}
- Patent_ID(Primary key)_{VARCHAR2}
- 3. Cost {NUMBER}
- 4. Type of Art {VARCHAR2}

ENTITY 3:

Entity name:[CUSTOMER]

Attributes, Data types:

- Name_{VARCHAR2}
- 2. C_ID (Primary key)_{VARCHAR}

- 3. Address {VARCHAR2}
- 4. Total amount spent_{NUMBER}

RELATIONSHIP 1:

Relation name: [CREATED]

Attributes, Data types:

- 1. Name (Foreign key)_{VARCHAR2}
- 2. Patent_id (Foreign key)_{VARCHAR2}
- 3. Art Name (Foreign key) {VARCHAR2}

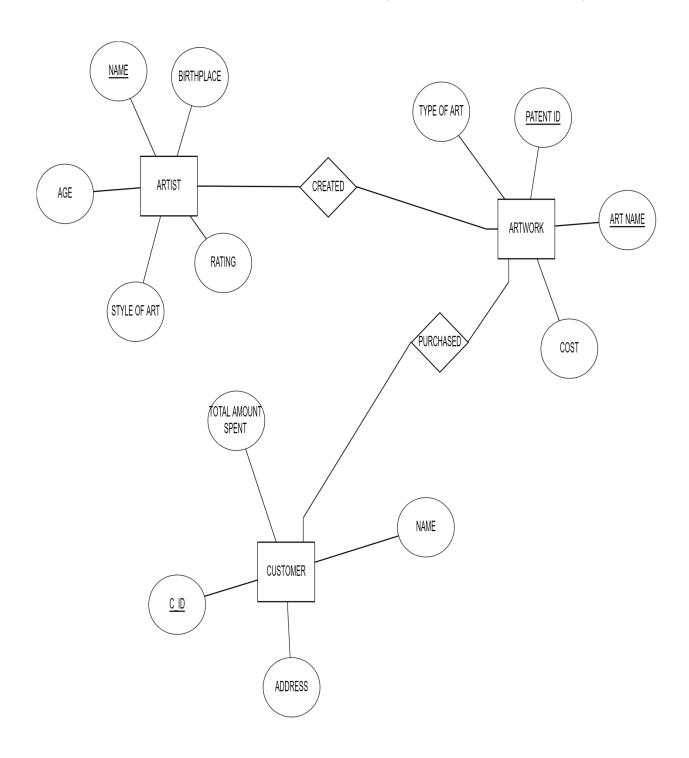
RELATIONSHIP 2:

Relation name: [PURCHASED]

Attributes:

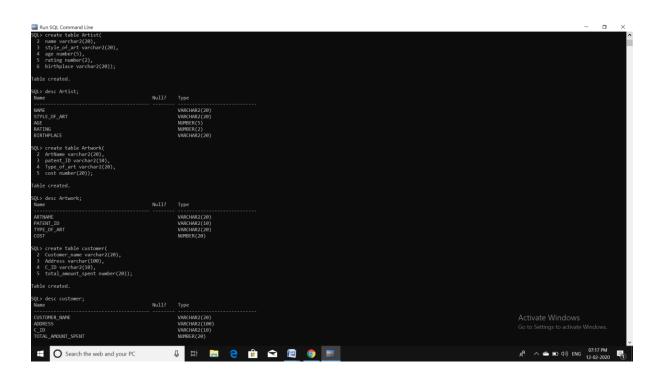
- 1. Art Name (Foreign key)_{VARCHAR2}
- 2. Patent_ID (Foreign key)_{VARCHAR2}
- 3. C_ID (Foreign key)_{VARCHAR2}

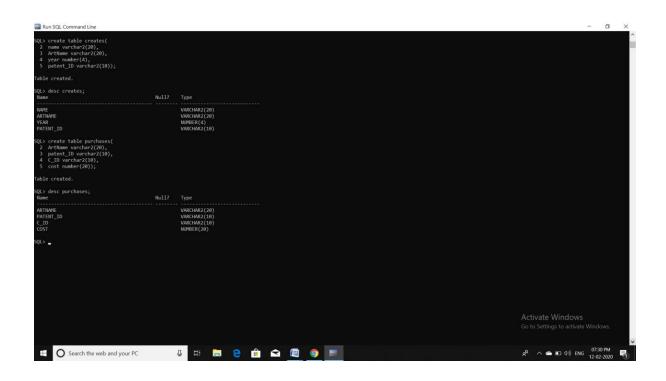
ER DIAGRAM (entity-relation)

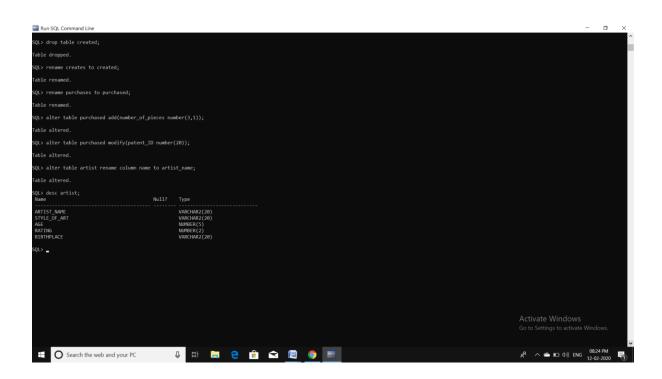


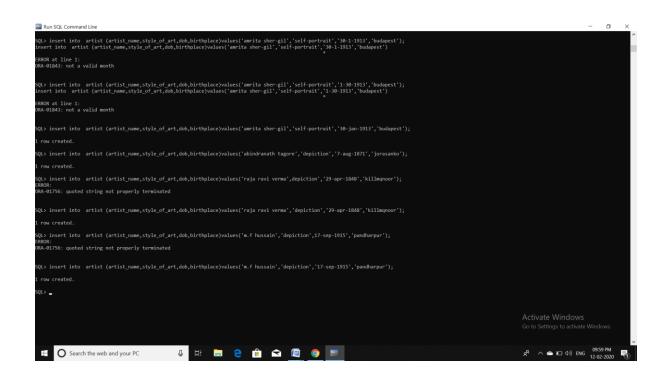
DDL, DML COMANDS

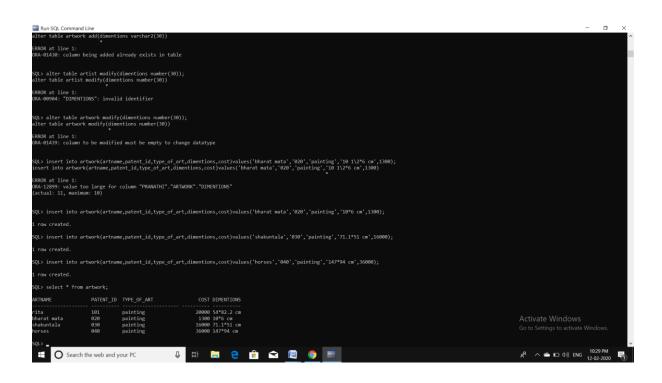
- -CREATE
- -ALTER
- -DROP
- -INSERT











INTRIGRITY CONSTRAINTS

(primary key,

foreign key)

