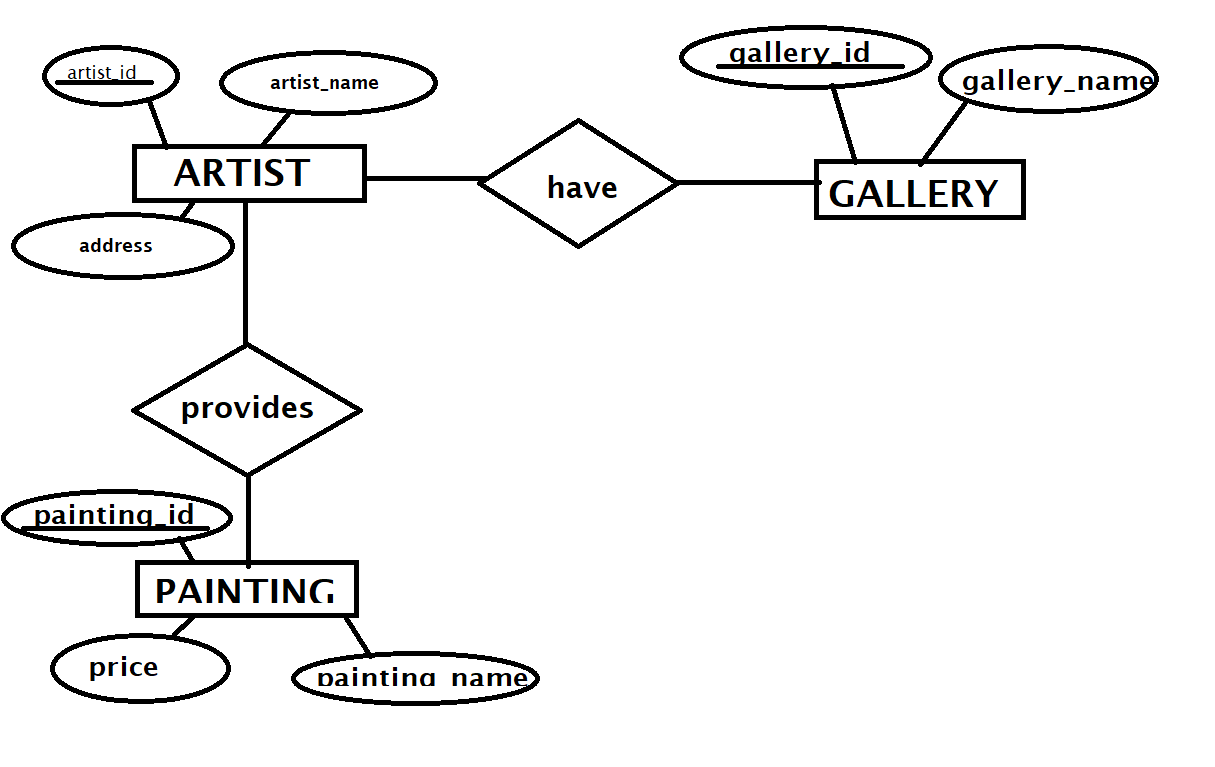
**MINI PROJECT**

**PROJECT TITLE: ART GALLERY MANAGEMENT**

**ER DIAGRAM:**

****

**CONVERT ENTITY RELATIONSHIP DIAGRAM TO RELATIONS**

**1)ARTIST:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **artist\_id** | **artist\_name** | **address** | **gallery\_id** | **painting\_id** |

**2)GALLERY**

|  |  |  |
| --- | --- | --- |
| **gallery\_id** | **gallery\_name** | **artist\_id** |

**3)PAINTING;**

|  |  |  |  |
| --- | --- | --- | --- |
| **painting\_id** | **painting\_name** | **price** | **artist\_is** |

**RELATIONS WITH DATA**

**1)ARTIST**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **artist\_id** | **artist\_name** | **address** | **gallery\_id** | **painting\_id** |
| **1** | **Ram** | **Panaji** | **103** | **618** |
| **2** | **Sham** | **Mapusa** | **102** | **601** |
| **3** | **Omkar** | **Ponda** | **101** | **627** |

**2)GALLERY**

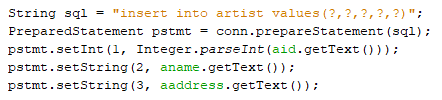
|  |  |  |
| --- | --- | --- |
| **gallery\_id** | **gallery\_name** | **artist\_id** |
| **101** | **The Space of Creativity** | **3** |
| **102** | **Art Gallery by Sham** | **2** |
| **103** | **The Art Tech** | **1** |

**3)PAINTING**

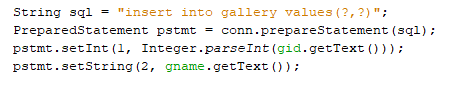
|  |  |  |  |
| --- | --- | --- | --- |
| **painting\_id** | **painting\_name** | **price** | **artist\_is** |
| **601** | **Portrait** | **1500** | **2** |
| **627** | **Landscape** | **1000** | **3** |
| **618** | **Still Life** | **2000** | **1** |

**LIST ALL SQL QUERIES IMPLEMENTED USING FRONT END:**

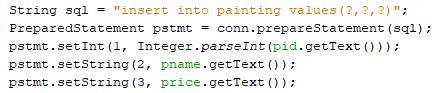
**Insert data into ARTIST table**

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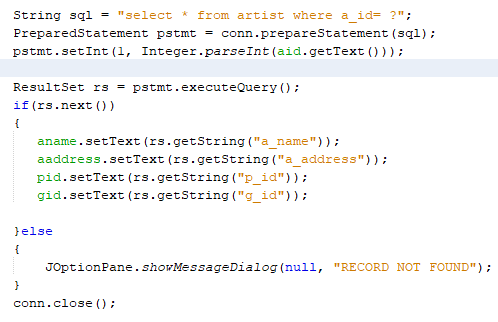
**Insert data into GALLERY table**

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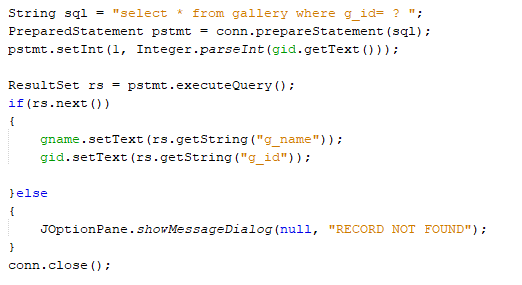
**Insert data into PAINTING table**

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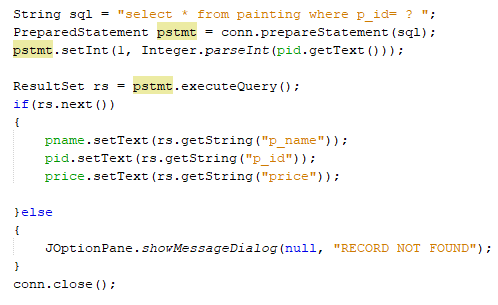
**Searching data into ARTIST table**

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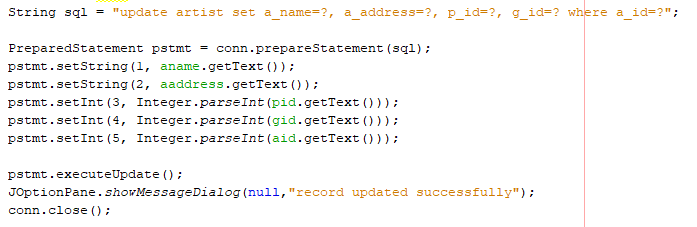
**Searching data into GALLERY table**

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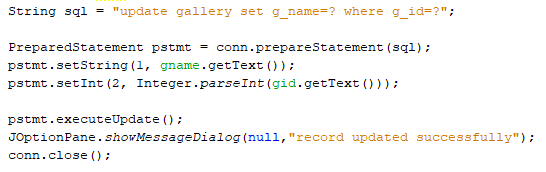
**Searching data into PAINTING table**

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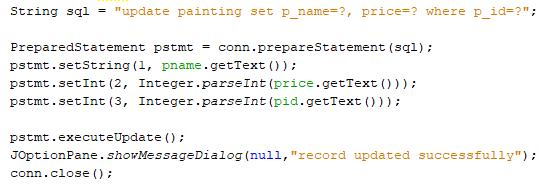
**Updating data in ARTIST table**

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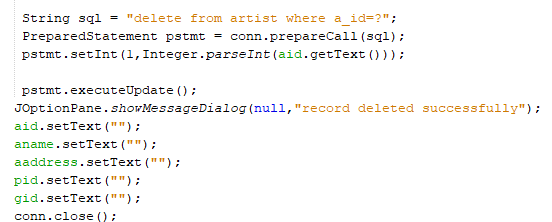
**Updating data in GALLERY table**

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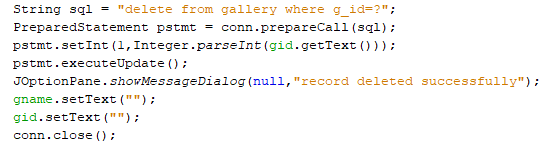
**Updating data in PAINTING table**

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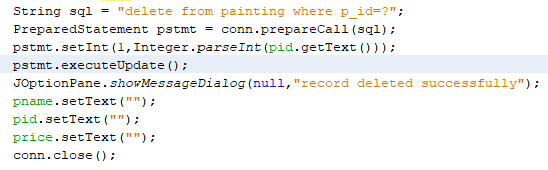
**Deleting data in ARTIST table**

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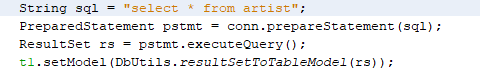
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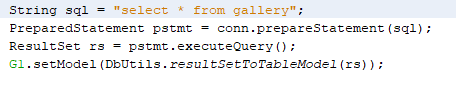
**Deleting data in PAINTING table**

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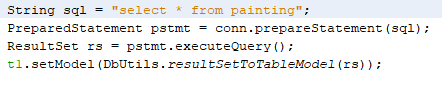
**Displaying data from ARTIST table**

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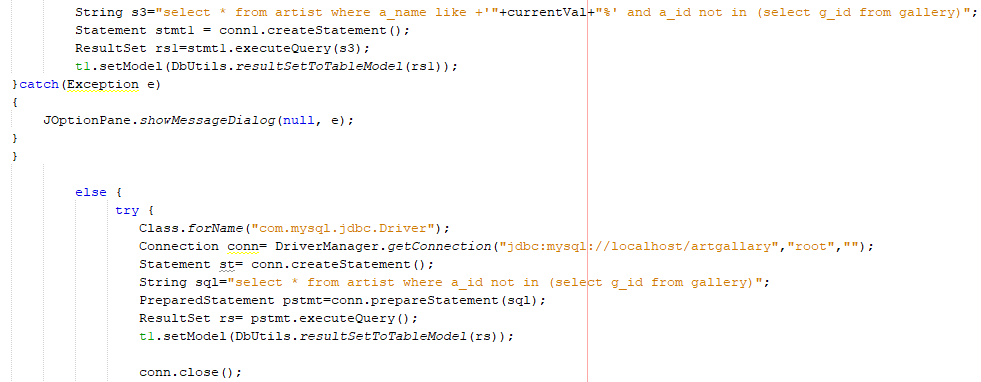
**Displaying data from GALLERY table**

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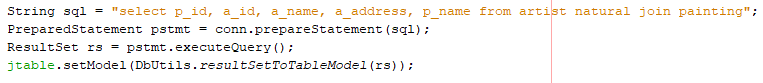
**Displaying data from PAINTING table**

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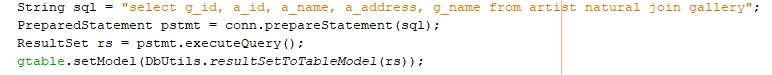
Displaying data of ARTIST table(using Subqueries)



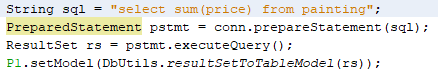
Displaying data of ARTIST and PAINTING table(using Join operation)



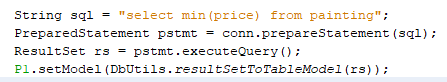
Displaying data of ARTIST and GALLERY table(using Join operation)



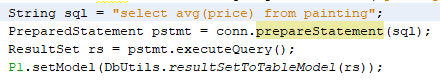
Displaying sum price of painting from PAINTING table(using Aggregate )



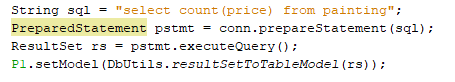
Displaying minimum price of painting from PAINTING table(using Aggregate )



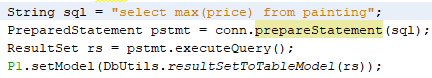
Displaying average price of painting from PAINTING table(using Aggregate )



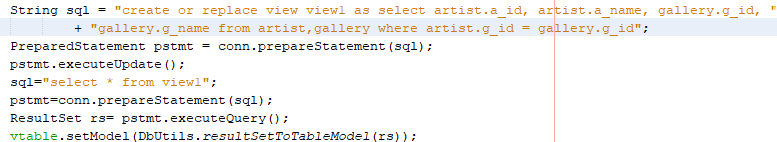
Displaying count price of painting from PAINTING table(using Aggregate )



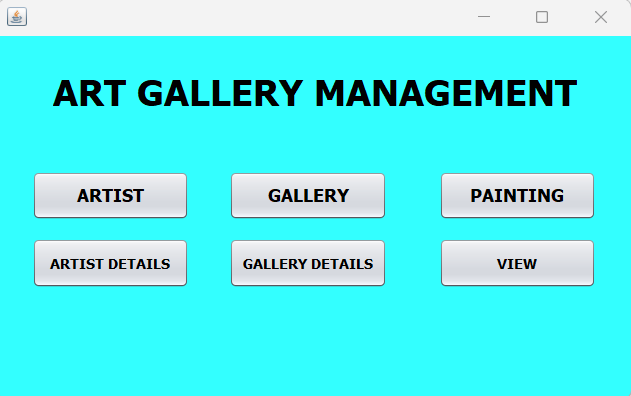
Displaying maximum price of painting from PAINTING table(using Aggregate )



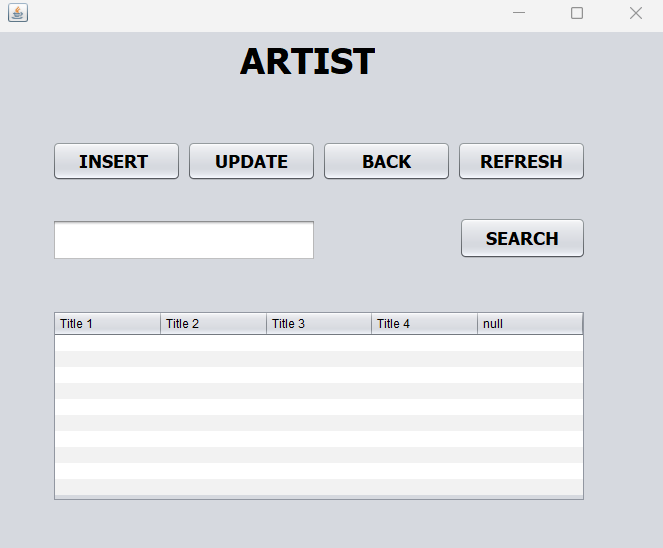
Displaying details of ARTIST and GALLERY table(using views)



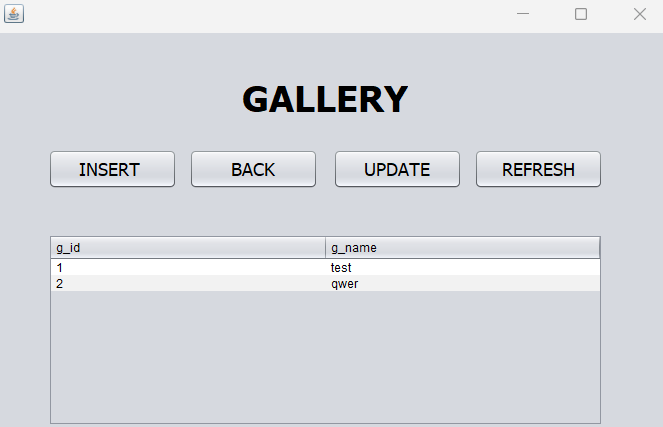
**Displaying main Page of ART GALLERY MANAGEMENT**

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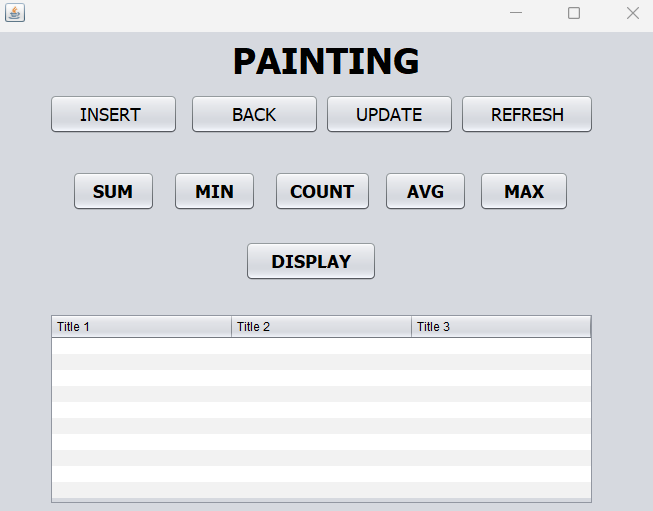
**Displaying home main of ARTIST table**



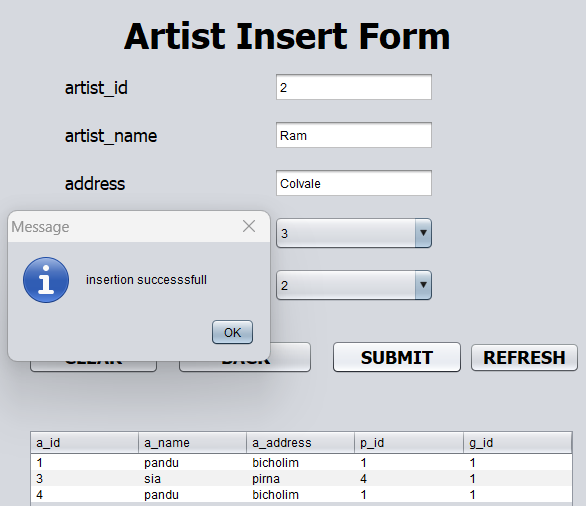
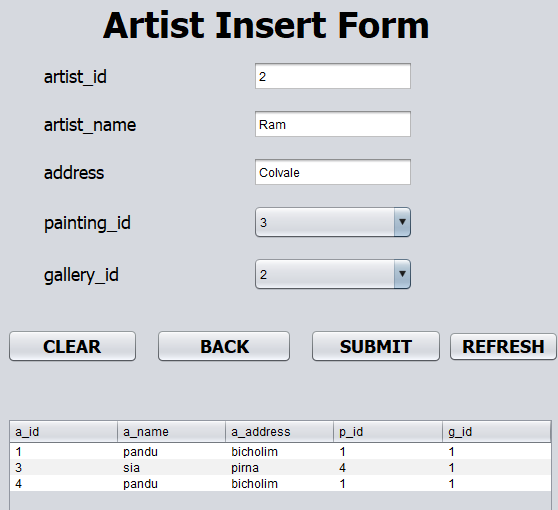
Displaying home main of GALLERY table

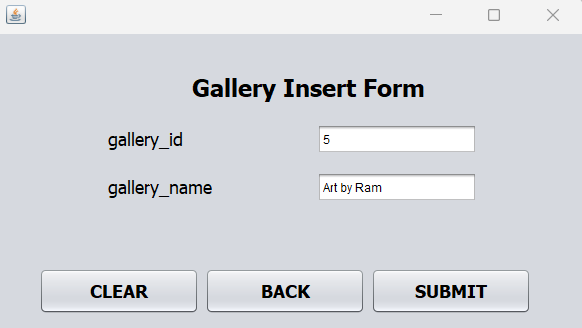


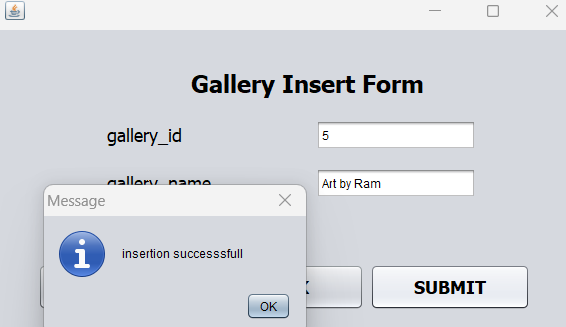
Displaying home main of PAINTING table



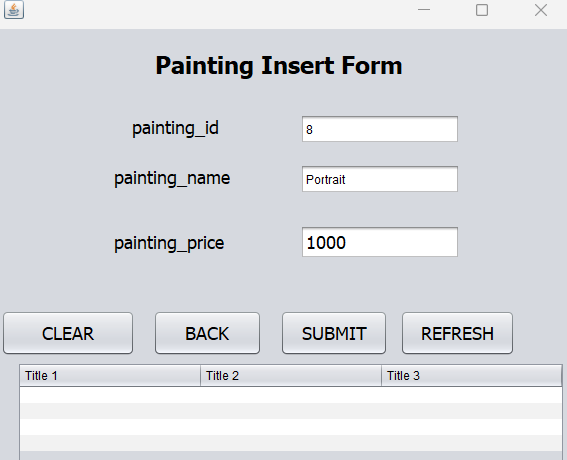
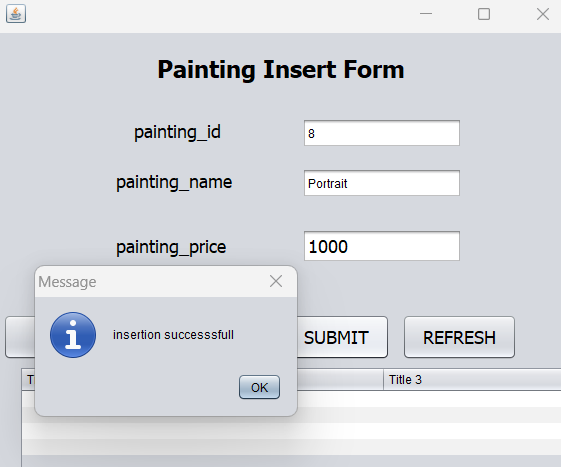
Inserting data in ARTIST table

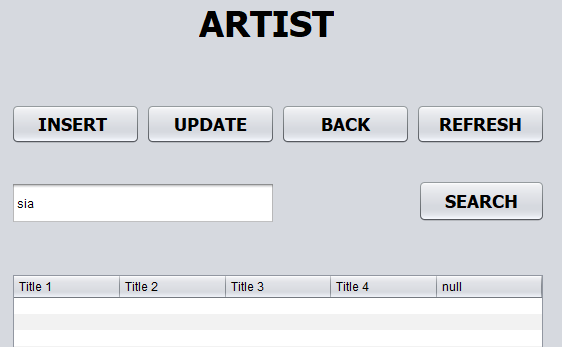
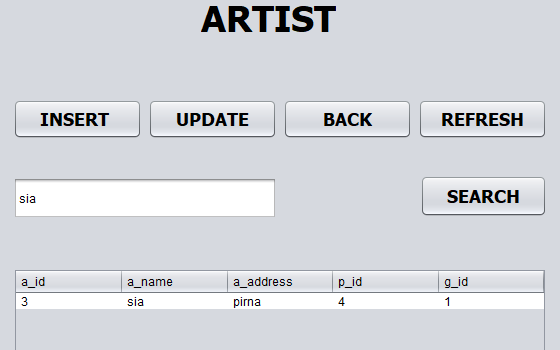
Inserting data in GALLERY table



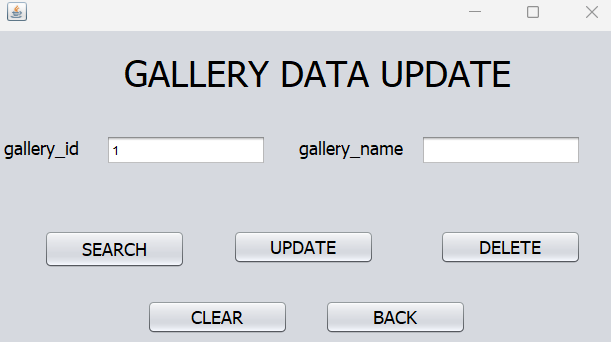
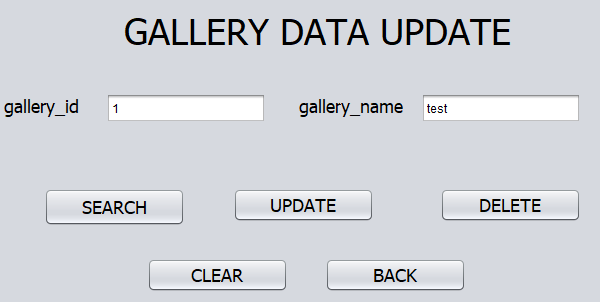
Inserting data in PAINTING table

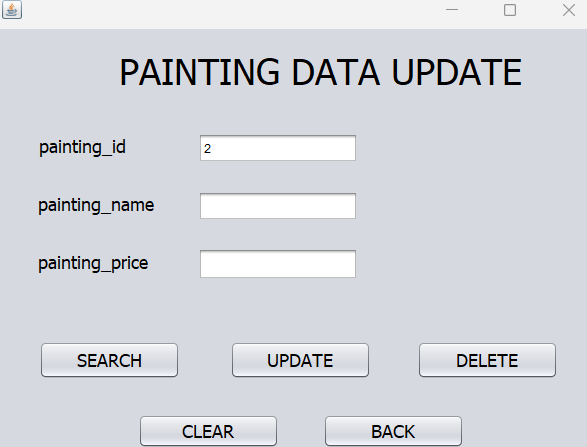
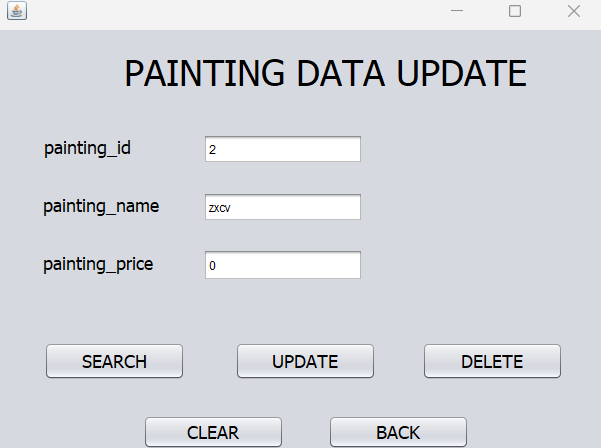
Searching data in ARTIST table

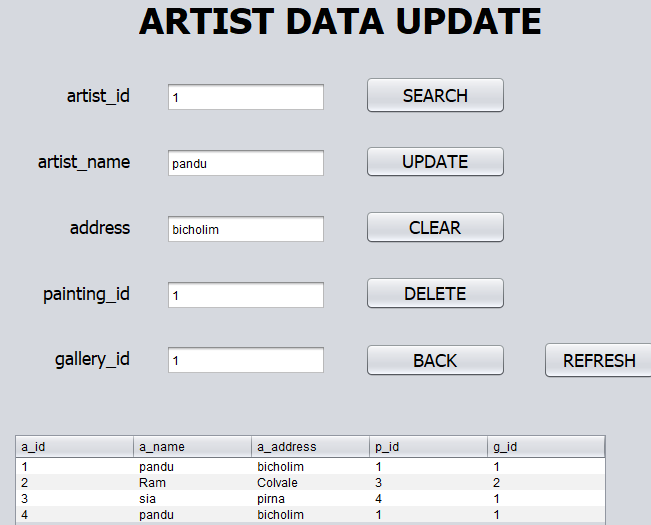
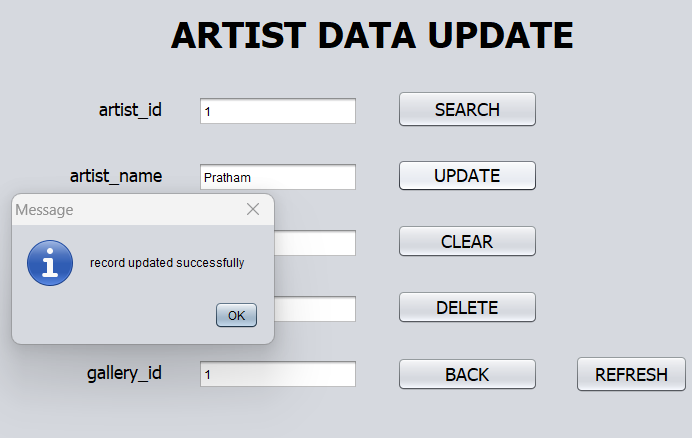
Searching data in GALLERY table

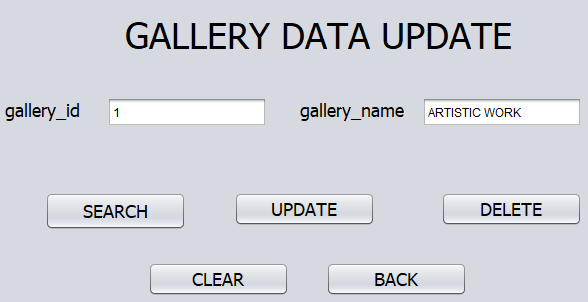
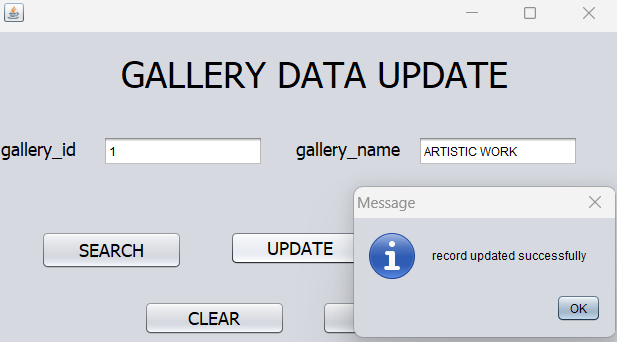
Searching data in PAINTING table

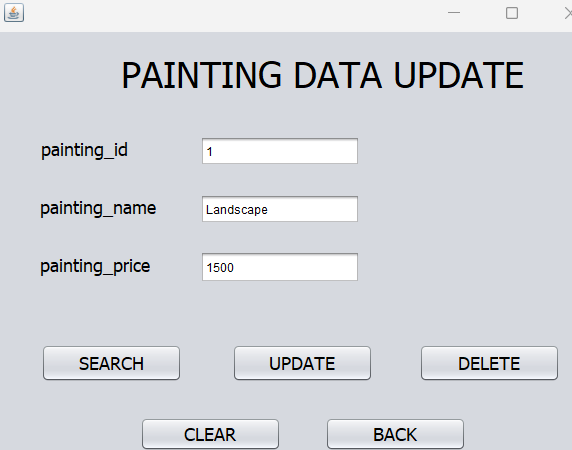
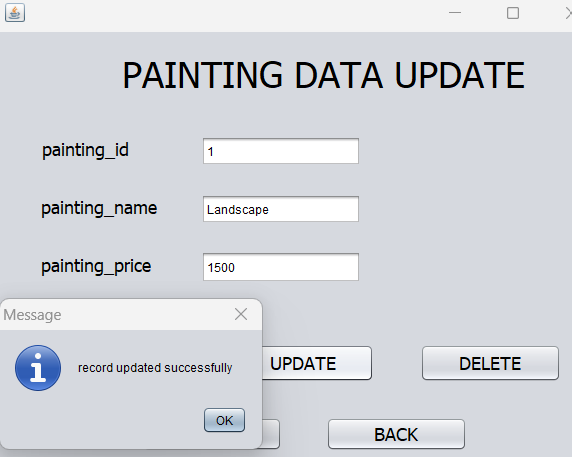
Updating data in ARTIST table

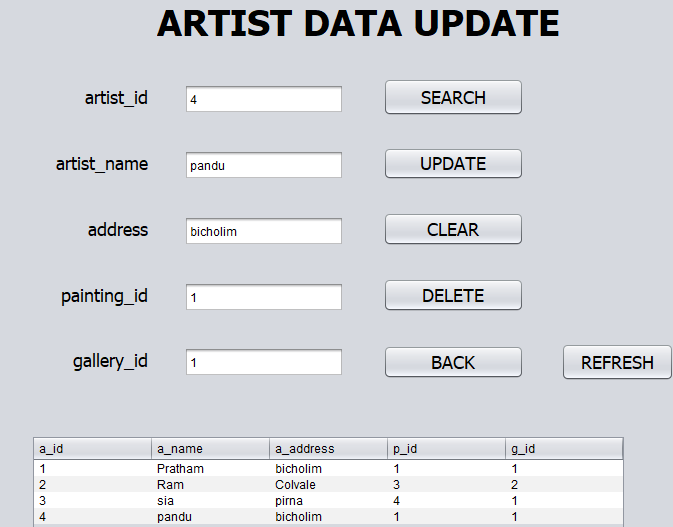
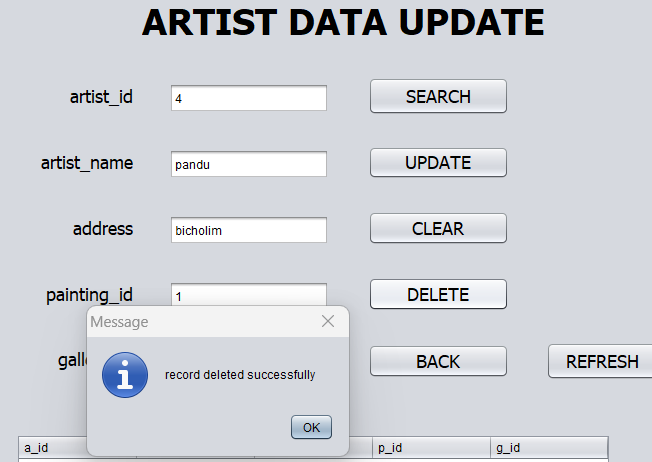
Updating data in GALLERY table

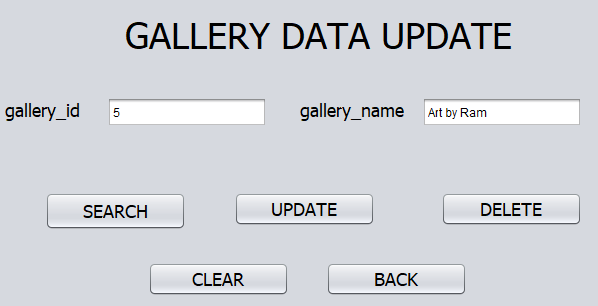
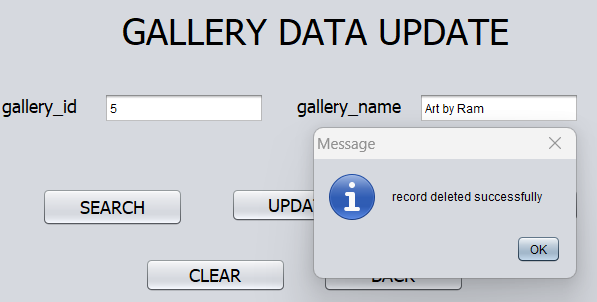
Updating data in PAINTING table

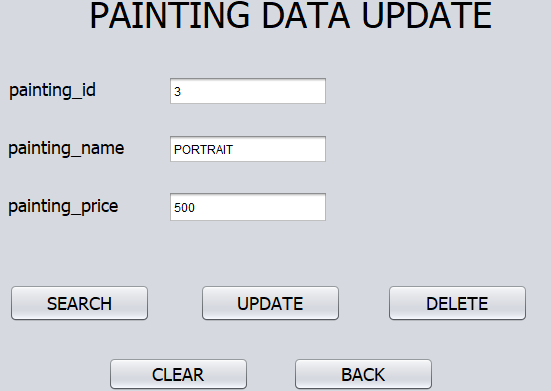
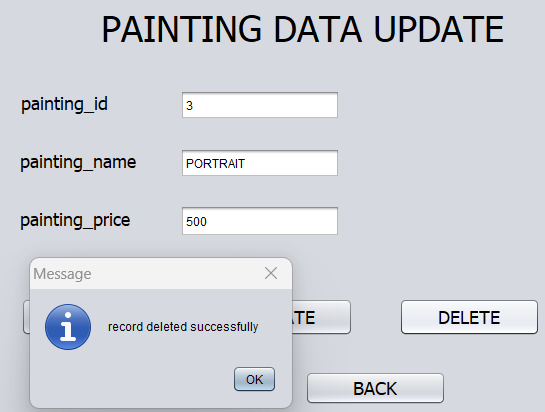
Deleting data in ARTIST table

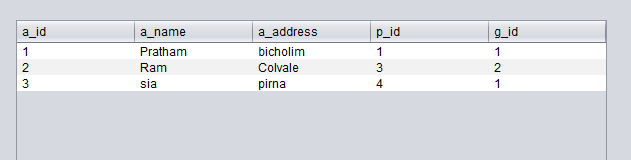
Deleting data in GALLERY table

Deleting data in PAINTING table

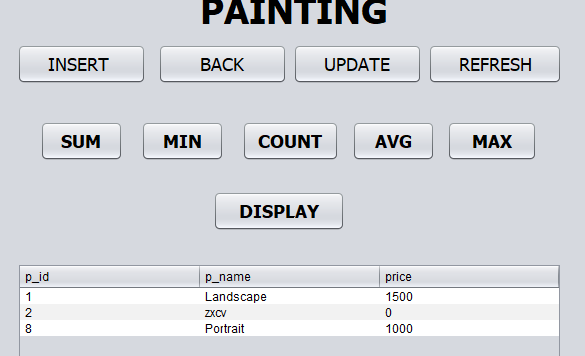
Displaying data in ARTIST table



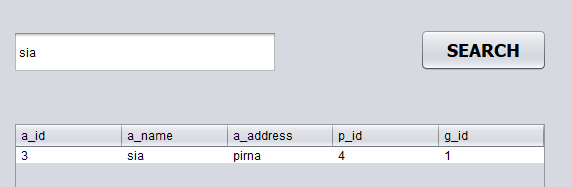
Displaying data in GALLERY table



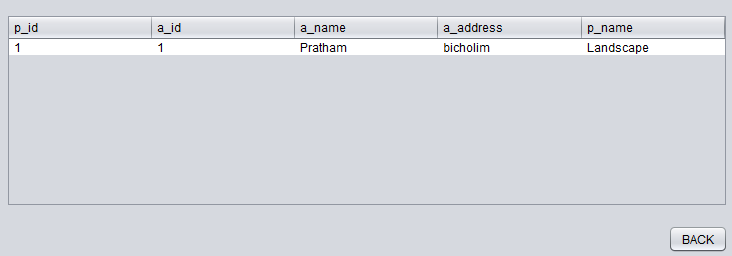
Displaying data in PAINTING table



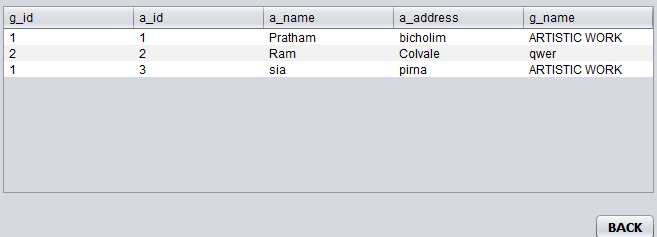
Displaying data of ARTIST table(using Subqueries)

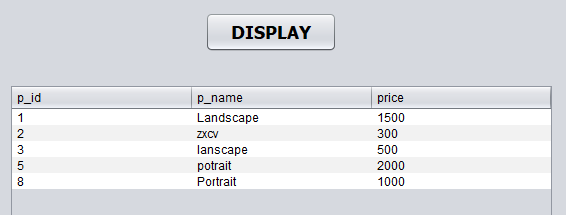


Displaying data of ARTIST and PAINTING table(using Join operation)

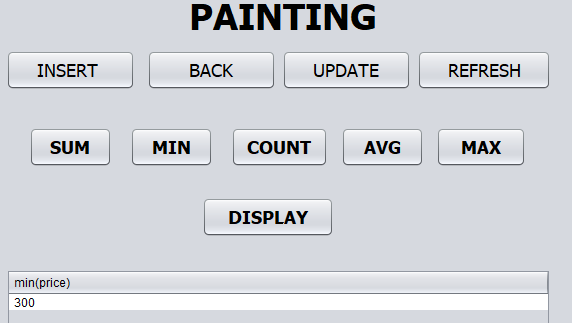


Displaying data of ARTIST and GALLERY table(using Join operation)

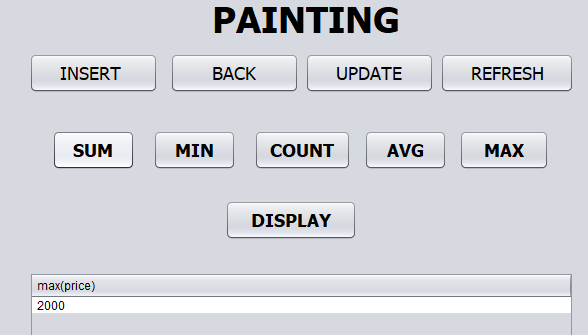




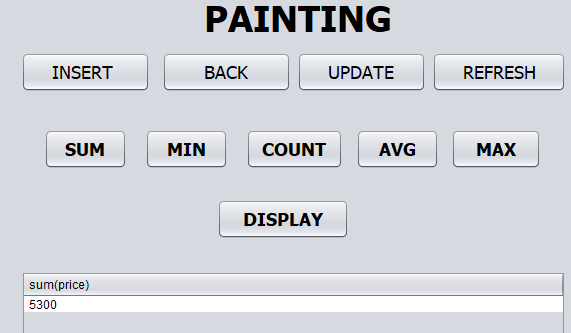
Displaying minimum price of painting from PAINTING table(using Aggregate )



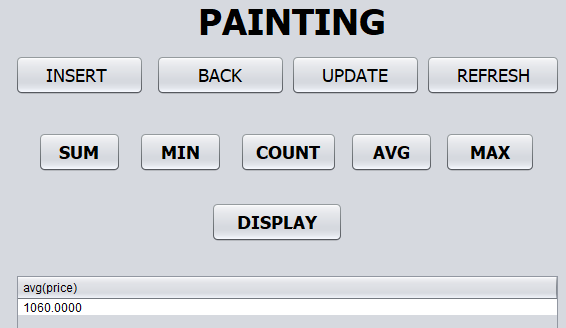
Displaying maximum price of painting from PAINTING table(using Aggregate )



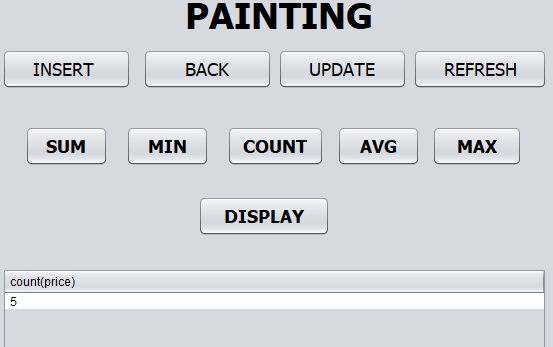
Displaying sum price of painting from PAINTING table(using Aggregate )



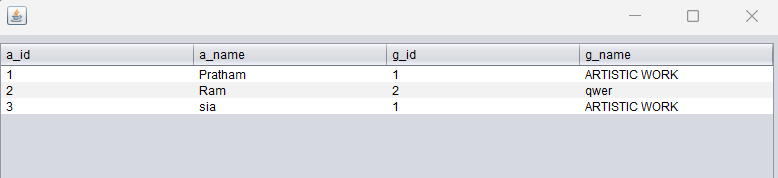
Displaying average price of painting from PAINTING table(using Aggregate )



Displaying count price of painting from PAINTING table(using Aggregate )



Displaying details of ARTIST and GALLERY table(using views)



**CONCLUSION:**

In the mini project, we learnt to represent the given problem statement into an entity relationship diagram along with cardinality and participation constraints. Then, conversion of the ER diagram to Relation which were further implemented in the database. The graphical user interface and database connection was implemented using which the data from the database could be accessed n modified. The data manipulation in the database was successfully implemented using SQL queries.