Assignment No 2

PROG 8080-22F

Programming Database Management

Submitted By;

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Q.1 • You need to save your normalized data for this Assignment as an a2\_XX.pdf (where XX is your initials) file.

• You need to make sure that you add the following header comments on top of your file: --

a2\_XX -- Assignment 2

-- Revision History:

-- Student Name, Section 7, YYYY.MM.DD: Created

-- Student Name, Section 7, YYYY.MM.DD: Updated

![Table

Description automatically generated]()

The Gill Art Gallery wishes to maintain data on their customers, artists and paintings. They may have several paintings by each artist in the gallery at one time. Paintings may be bought and sold several times. In other words, the gallery may sell a painting, then buy it back later and sell it to another customer. Normalize the data based on the information above as much as possible as UNF, 1NF, etc. Provide any justification as needed wherever necessary.

Ans:

-- a2\_BJ -- Assignment 2

-- Revision History:

-- Basavraj Jaliminche (8800149), Section 7, 2022.10.23: Created

-- Basavraj Jaliminche (8800149), Section 7, 2022.10.23: Updated

**UNF:**

customer

[ custno,

cust\_name,

cust\_addr,

cust\_phone,

( artist\_id,

artist\_name,

art\_title,

pur\_date,

price)]

**1NF:**

customer [ custno,

cust\_name,

cust\_addr,  
 cust\_phone]

cust\_art [ custno,

art\_code,

pur\_date,

artist\_id,

artist\_name,

art\_title,

price ]

**2NF:**

customer [ custno,

cust\_name,

cust\_addr,

cust\_phone]

cust\_art [ custno,

art\_code,

pur\_date,

price ]

art [ art\_code,

art\_title,

artist\_id,

artist\_name ]

**3NF:**

customer [ custno,

cust\_name,

cust\_street,

cust\_city,

cust\_prov,

cust\_pstlcd,

cust\_phone]

cust\_art [

custno,

art\_code,

pur\_date,

price ]

art [

art\_code,

art\_title,

artist\_id(FK) ]

artist [

artist\_id,

artist\_fname,

artist\_lname ]