EX NO: 3	PROVIDES & PROVIDER DATABASE
DATE : 21/2/24	

AIM:

1. Create the table pieces with the following fields.

Field Name	Datatype	Width	Constraint	Description
Code	Integer	6	Primary key	Piece Code.
Name	Character	25	Not null	
Color	Character	10	White or black	

2. Create the table providers with the following fields.

Field Name	Datatype	Width	Constraint	Description
Code	Character	8	Primary Key	Provides Code
Name	Character	25	Not Null	
State	Character	15	Fill it with Tamil Nadu	
Phone no	Number	10	Value must be 10	

3. Create the table Provides with following fields.

Field Name	Data type	Width	Constraint	Description.
Piece	Integer	6	Primary key, foreign key	Piece code
Provider	Character	6	Primary key foreign key	Providers Code
Price	Numeric	8,2		Price of the piece
Qty	Numeric	5	Not Null	Number of Pieces.

INFERENCE : The program has been executed successfully

ALGORITHM:

Step 1: Connect to the Oracle database using appropriate credentials.

Step 2: Use the create table statement to define the table's structure and constraints for the pieces table.

Step 3: Use the CREATE TABLE statement to define the table's structure and constraints for the Provider table.

Step 4: Use the CREATE TABLE statement to define the table's structure and constraints for the Provides table.

Step 5: Insert the values for pieces table using the INSERT INTO statement.

Step 6: Insert the Values for the provider table using INSERT INTO statement.

Step 7: Insert the Values for Provides table using INSERT INTO statement.

Step 8: Execute the SQL Query for retrieving the data from database using the appropriate SQL statement.

Step 9: Fetch the and Display the Results using SELECT statement.

Step 10: close the Database connection.

EX NO: 4	MANUFACTURERS DATABASE
DATE : 7/3/24	

AIM:

1. Create the table MANUFACTURERS with the following fields.

Field Name	Data type	Width	Constraint	Description
Code	Integer	–	Primary Key	Manufacturers Code
Name	Characters.	20	Not Null	Name of Manufacturer

2. Create the Products table with the following fields.

Field Name	Data Type	Constraint	Description
Code	Integer	Primary Key	Product Code
Name	Characters	Not Null	Name of the Products.
Price	Real	Not Null	Product Price
Manufacturer	Integer	Foreign Key	Manufacturer Code.

INFERENCE :- The program has been executed successfully

ALGORITHM:

Step 1: Connect to the Oracle database using appropriate credentials.

Step 2: Use the CREATE TABLE statement to define the table's structure and constraints for the Manufactures table.

Step 3: Use the CREATE TABLE statement to define the table's structure and constraints for the products table.

Step 4: Insert the values for the Manufacturer's table using the INSERT INTO statement.

Step 5: Insert the values for the Product table using the INSERT INTO statement.

Step 6: Execute the SQL Query for retrieving the data from the database using the appropriate SQL statement

Step 7: Fetch and Display the Results using SELECT statement.

Step 8: close the Database connection.

EX NO: 5	EMPLOYEE DEPARTMENT DATABASE
DATE : 11/3/24	

AIM:

1. Create the department table as follows.

Field name	Data type	Width	Constraints	Description
Code	Integer	25	Primary Key	Department Code
Name	Text	20		Name of the department
Budget	Real			Budget.

2. Create Employee table as follows.

Field Name	Data type	Width	Constraint	Description
SSN	Integer	25	Primary key	Employee number
Name	Text	20		Employee Name
Last Name	Text	20		Employee lastname
Department	Integer	25	foreign key	Dept code.

ALGORITHM:

Step 1: Connect the Oracle database using appropriate credentials.

Step 2: Use the CREATE TABLE statement to define the table's structure and constraints for the Department table.

Step 3: Use the CREATE TABLE statement to define the table's structure and constraints for Employee table.

Step 4: Insert the values for the Departments table using INSERT INTO statement.

Step 5: Insert the values for the Employee table using INSERT INTO statement.

Step 6: Execute the SQL Query for retrieving the data from the database using the appropriate SQL statement.

Step 7: Fetch and Display the Results using SELECT statement.

Step 8: Close the Database connection.

INFERENCE: The program has been executed successfully.

EX NO: 6	MOVIES DATABASE
DATE : 13/3/24	

AIM:

1. Create the table MOVIES with the following fields.

Field Name	Data type	Width	Constraint
Code	Integer	10	Primary Key
title	Varchar	30	Not Null
Rating.	Varchar	30	

2. CREATE the table MOVIETHEATERS with the following fields.

Field Name	Data type	Width	Constraint
code	Integer	10	Not Null, foreign key
Name	Varchar	30	Not Null
Movie.	Integer	20	

ALGORITHM:

Step 1: Connect to the Oracle database using appropriate credentials.

Step 2: Use the CREATE TABLE statement to define the table's structure and Constraints for the movie table.

Step 3: Use the CREATE TABLE statement to define the table's structure and constraints for the Movie theatre table.

Step 4: Insert the values for the Movie table using INSERT INTO statement.

Step 5: Insert the Values for the Movie Theatre table Using the INSERT INTO statement.

Step 6: Execute the SQL Query for retrieving the data from the Database using the appropriate SQL statement.

Step 7: Fetch and Display the Results using SELECT statement.

Step 8: Close the Database connection.

INFERENCE: The program has been executed successfully.