

PRACTICAL : 1

AIM : Design and implement the schema as per the given information.

DESCRIPTION (Theory) : • Create a schema for the bank that wants to keep the records of different Job profiles along with associated employee and their related information. Bank also wants to keep the records of their account and loan-related customer separately in their database.

CONSTRAINTS : • Not Null Constraints: Critical fields must not be null to ensure data completeness. • Unique Constraints: Certain fields must have unique values to avoid duplicates (e.g., Account Number). • Check Constraints: Enforce domain integrity by limiting the values that can be placed in a column

Table:-

JOB_ID	JOB_TITEL	MIN_SAL	MAX_SAL
23dit01	it	1500	15000
23dit02	-	-	-
it_prog	programer	4000	10000
mk_mgr	marketing manger	4000	10000
fi_mgr	finance manger	4000	10000
fi_acc	account	4000	10000
lec	lecter	4000	10000
comp_op	computer opreter	4000	10000

EMP_NO	EMP_NAME	EMP_SAL	EMP_COMM	DEPT_NO
13	dharmik	99999	123	2
101	smith	800	455	20
102	snehal	800	0	25
103	adama	800	425	20
104	aman	800	0	15
105	amita	800	0	10
106	anamika	800	50000	30
106	anamika	800	50000	30

EMP_NO	NAME	BNAME	AMOUNT	A_DATE
13	dharmik gohil	depstar	15000	01-JUN-23
101	anil	andheri	7000	01-JAN-06
102	sunil	virar	70	09-JAN-26
103	jay	andheri	5000	01-JUN-06
104	vijay	surat	60	09-JAN-06
105	keyur	andheri	0	02-JAN-06

LOAN_NO	CNAME	BNAME	AMOUNT
dit13	dharmik	dharmik	15000
201	anil	katargam	1000
206	mehul	varach	200
311	sunil	amrelli	300
321	dharmik	surat	20
375	manan	vesu	900

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104	vijay	surat	60	09-JAN-06
105	keyur	andheri	0	02-JAN-06

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
JOB1	JOB_ID	Varchar2	15	-	-	-	✓	-	-
	JOB_TITEL	Varchar2	30	-	-	-	✓	-	-
	MIN_SAL	Number	-	7	2	-	✓	-	-
	MAX_SAL	Number	-	7	2	-	✓	-	-
1 - 4									

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEE	EMP_NO	Number	-	3	0	-	✓	-	-
	EMP_NAME	Varchar2	30	-	-	-	✓	-	-
	EMP_SAL	Number	-	8	2	-	✓	-	-
	EMP_COMM	Number	-	6	1	-	✓	-	-
	DEPT_NO	Number	-	3	0	-	✓	-	-
1 - 5									

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>DEPOSIT</u>	<u>EMP_NO</u>	Varchar2	5	-	-	-	✓	-	-
	<u>NAME</u>	Varchar2	15	-	-	-	✓	-	-
	<u>BNAME</u>	Varchar2	10	-	-	-	✓	-	-
	<u>AMOUNT</u>	Number	-	7	2	-	✓	-	-
	<u>A_DATE</u>	Date	7	-	-	-	✓	-	-
1 - 5									
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>BORROW</u>	<u>LOAN_NO</u>	Varchar2	5	-	-	-	✓	-	-
	<u>CNAME</u>	Varchar2	15	-	-	-	✓	-	-
	<u>BNAME</u>	Varchar2	10	-	-	-	✓	-	-
	<u>AMOUNT</u>	Varchar2	7	-	-	-	✓	-	-
1 - 4									

CONCLUSION :

I learn to In DBMS . first to make a table for use " create table student ". next learn to in table view that description . after that learn input the value in table . and end of the leassion to learn how to show full table or show any colom show that learn.