## **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	-		V <del></del> 1
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

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

JOB_ID	JOB_TITEL	MIN_SAL	MAX_SAL
23dit01	it	1500	15000
23dit02	-	*	N#C
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

JOB_ID	JOB_TITEL	MIN_SAL	MAX_SAL
23dit01	it	1500	15000
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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

13         dharmik gohil         depstar         15000         01-JUl           101         anil         andheri         7000         01-JUl           102         sunil         virar         70         09-JAI           103         jay         andheri         5000         01-JUl           104         vijay         surat         60         09-JAI           105         keyur         andheri         0         02-JAI           Table         Column         Data Type         Length         Precision         Scale         Primary Key         Nullable         Default           JOB1         JOB JD         Varchar2         15         -         -         -         -         -           MIN SAL         Number         -         7         2         -         -         -           MAX SAL         Number         -         7         2         -         -         -													
101 anil andheri 7000 01-JAI 102 sunil virar 70 09-JAI 103 jay andheri 5000 01-JUI 104 vijay surat 60 09-JAI 105 keyur andheri 0 02-JAI  106 Column Data Type Length Precision Scale Primary Key Nullable Default  JOB1 JOB ID Varchar2 15 ✓ -  JOB TITEL Varchar2 30 ✓ -  MIN SAL Number - 7 2 - ✓ -  MAX SAL Number - 7 2 - ✓ -  MAX SAL Number - 7 2 - ✓ -  1-  Table Column Data Type Length Precision Scale Primary Key Nullable Default  EMPLOYEE EMP NO Number - 3 0 - ✓ -	E AMOUNT A_DATE	E	IAI	BN		ΛE	AM	N	NO	IP_	EN		
102         sunil         virar         70         09-JAI           103         jay         andheri         5000         01-JUI           104         vijay         surat         60         09-JAI           105         keyur         andheri         0         02-JAI           Table         Column         Data Type         Length         Precision         Scale         Primary Key         Nullable         Default           JOB1         JOB JD         Varchar2         15         -<	15000 01-JUN-23	e e	dharmik gohil depstar		13								
103         jay         andheri         5000         01-JUI           104         vijay         surat         60         09-JAI           105         keyur         andheri         0         02-JAI           Table Column Data Type Length Precision Scale Primary Key Nullable Default         Default           JOB JOB ID Varchar2 15	7000 01-JAN-06		dhe	and				anil		1	101		
104         vijay         surat         60         09-JAI           105         keyur         andheri         0         02-JAI           Table         Column         Data Type         Length         Precision         Scale         Primary Key         Nullable         Default           JOB1         JOB ID         Varchar2         15         -         <	70 09-JAN-26		ar	vira				sunil		2	102		
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JOB_TITEL         Varchar2         30         -	e Primary Key Nullable Default Comment	e P	So	ecision	Pr	ength	Le	Data Type	olumn [	Col	Table		
MIN_SAL         Number         -         7         2         -         ✓         -           MAX_SAL         Number         -         7         2         -         ✓         -           Table         Column         Data Type         Length         Precision         Scale         Primary Key         Nullable         Default           EMPLOYEE         EMP_NO         Number         -         3         0         -         ✓         -	<b>✓</b>		2		-	5	15	Varchar2	B_ID \	JOB	JOB1		
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Table     Column     Data Type     Length     Precision     Scale     Primary Key     Nullable     Default       EMPLOYEE     EMP_NO     Number     -     3     0     -     ✓     -	<b>✓</b>		2		7		-	Number	X_SAL N	MAX			
EMPLOYEE EMP_NO Number - 3 0 - ✓ -	1 - 4												
	cale Primary Key Nullable Default Comment	ale	n	Precisio	gth	Leng	уре	Data Ty	Column	е	Table		
EMP_NAME Varchar2 30	· / · · ·			3		-		Number	EMP_NO	YEE	EMPLO'		
	<b>✓</b>			-		30	2	E Varchar2	EMP_NAME				
EMP_SAL Number - 8 2 - ✓ -	<b>✓</b>			8		X <del></del> 1.		Number	EMP_SAL				
EMP_COMM Number - 6 1 - ✓ -				6		-		M Number	EMP_COMN				
DEPT NO Number - 3 0				3		-		Number	DEPT_NO				
	1 - 5												

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPOSIT	EMP_NO	Varchar2	5	7 <del>7</del> 0	-	-	/	·	-
	NAME	Varchar2	15	-	-	=	/	-	- 1
	BNAME	Varchar2	10	-	-	-	~	-	-
	AMOUNT	Number	-3	7	2	-	/	-	-1
	A_DATE	Date	7	-	-	-	/	_	2
									1 - 5
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
BORROW	LOAN_NO	Varchar2	5	-	-	-	/	3.5	-
	CNAME	Varchar2	15	-	-	-	/	-	-
	BNAME	Varchar2	10	-	-	•	/	( <del>-</del>	-
	AMOUNT	Varchar2	7	_	_	=	/	( <del>-</del>	-
		/ C-010-01-01-01-01-01-01-01-01-01-01-01-01					-		

## **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.