Practicul Assignment 2

- 1	
	create relational database that contains the following tables and insent the following data into tables.
	tables and insent the following data into trubles
	16/strid_info
->	CREATE TABLE Ablstad_info (
-	KNO INT PRIMARY KLY
1	traine VARCHARECSO),
	Sname VARCHAR2(50),
	Dno INT,
	Sem INT,
	Contact no VARCHARX 15)
	Gender CHARGE,
	Boute DATE.
	3 FORJEGN KEY (DNO) REFRENCES HOHOPT (pno)
) ;
->	INSERT INTO Holstad info (Rno, Fname, Sname, Dno, Som,
	(ontact_no, Gender, Blate)
	VALUES
S	(1,'An kur', 'kuhar', 1, 1, 989354543, 'M', to date(112/02/2001', 'DD/MM/
	(e, 'Dhaval', 'Joshi', 1, 1, 8767675656, 'M', to date ('23/05/2002', 'PDI
4	(2, Dhavar, Joshi, 1,2,8+676+3636,11,10,1044(23/03/20023 V))
	(3; Ankita', 'shah', 1, 1, 8977777666; F', to_date ('of 1) 1/2000'; DO/MMI
	YYYY'),
	(20, Komal', 'pandya', 2, 3,98989876, 66, F', to date ('25/07/2005, 'DD)
	MM (TYYT)
	(13, Amit', Mehta', 3, 3, 9898787878, M', to date ('26/02/2009', 'DD/
in the second	, C' 77YY) MM
	(23, Jinal', Gundhi', 2, 1, 9893456787, F', to_date(128109/2000', 100/
	C'YYYYIMM.
HOM	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1

5 Holdert CREATE TABLE Holdert (4 Dro INT PRIMARY KEY, Drame VARCHAR2 (50) 3; -> INISERT INTO Holdert (Dro, Drame) VALUES (1, 'Information Technology'), (2, 'Electrical'), (3, '(ivil'), (4, 'Mechanical), (5, 'Chemical'); 3 Holdert Rho INT, Stor INT,	(98, 'Comesh', 'Retel', 2, 3, 9898766554, G., 'Shweta', 'Patel', 3, 1, 9824534567, G., 'Pooju', 'Descei', 3, 3, 9975310987, G., 'Komed', Bhatia', 2, 3, 9864208642,	E1, to_dcute ('19/06)
Dro INT PRIMARY KEY, Drome VARCHARS (30) 3; INSERT INTO Holdept (Dro, Drame) VALUES (1, 'Information Technology'), (2, 'Electrical'), (3, 'Civil'), (4, 'Mechanical'), (5, 'Chemical'); CREATE TABLE Holstud result (Rno INT, Stor INT, Stor INT, Stor INT, Stor INT,	o thideat	
Onume VARCHARS (30)); INSERT INTO Holdept (Dno, Onume) VALUES (1,' Information Technology'), (2,' Electrical'), (3,' (ivil'), (4,' Mechanical'), (5,' Chemical'); 3 Holdert (Dno, Onume) V/ALUES (1,' Information Technology'), (2,' Electrical'), (3,' (ivil'), (4,' Mechanical'), (5,' Chemical'); 3 Holdert TABLE Holderd result (Rno INT; Slot INT, Slot INT, Slot INT, Slot INT, Slot INT,	COLATE TABLE to dept C?	5 V
JNSERT INTO Holdept (Ono, Oncime) VALUES (1, 'Information Technology'), (2, 'Electrical'), (3, 'Civil'), (4, 'Mechanical), (5, 'Chemical'); 3 Holstud_result -> CREATE TABLE Holstud_result(Rno INT, Stor INT, Stor INT, Stor INT,	(1)10 1(1)	17,
-> INSERT INTO Holdept (Ono, Oncime) VALUES (1, 'Information Technology'), (2, 'Electrical'), (3, 'Civil'), (4, 'Mechanical'), (5, 'Chemical'); 3 Holded result -> CREATE TABLE Holderd result(Rno INT, Stor INT, Stor INT, Stor INT, Stor INT,	Drume VARCHAR2 (50	
(1, 'Information Technology'), (2, 'Electrical'), (3, 'Civil'), (4, 'Mechanical'), (5, 'Chemical'); 3 Holstud_result -> CREATE TABLE Holstud_result(Rno INI; Stor INI,	33	
(1, 'Information Technology'), (2, 'Electrical'), (3, 'Civil'), (4, 'Mechanical'), (5, 'Chemical'); 3 Holstud_result -> CREATE TABLE Holstud_result(Rno INI; Stor INI,	1111a d CO C	1
(2, 'Electrical'), (3, 'Civil'), (4, 'Mechanical'), (5, 'Chemical'); 3 Holstud_result -> CREATE TABLE Holstud_result(Rno INT; Stol INT,	-> INSERT INTO TOLGEPT CUMO, U	name) VALUES
(3, '(ivil'), (4, 'Mechanical'), (5, 'Chemical'); 3 Holstud result -> CREATE TABLE Holstud result(Rno INI; Stor INI, Stor INI, Stor INI, Stor INI, Stor INI, Stor INI,	(2, Intormation leanna	logy),
(4, 'Mechanical'), (5, 'Chemical'); 3 Holstud_result CREATE TABLE Holstud_result(Rmo INT; Stot INT,		
(5, 'Chemical'); 3 Holstud_result -3 CREATE TABLE Holstud_result(Rno INT; Slot INT, Slot INT, Slow INT, Slow INT,		
3 Holstud_result -> CREATE TABLE Holstud_result(Rmo INT; Stor INT, Stor INT, Stor INT, Stor INT, Stor INT, Stor INT,	(4, 'Mechanical'),	And a set of
3 Holstud_result -3 CREATE TABLE Holstud result(Rno INT; Slot INT, Slov INT, Slov INT, Slov INT, Slov INT,		
CREATE TABLE Holstrud result (Rno INT; Slot INT, Slov INT, Slov INT, Slov INT,		Were Covered the
CREATE TABLE Holstrud result (Rno INT; Slot INT, Slov INT, Slov INT, Slov INT,	3 Holstud respond	
Rmo JNT; Stot JNT, Stor JNT, Stor JNT, Stor JNT, Stor JNT,	-3 (REATE TADIT III)	ings Tall (1)
STOT INT, STOS INT, STOS INT, STOW INT,		
TNT Pots TNT, SJOS INT, STOLE TNT STOLE TNT TNT TNT TNT TNT TNT TNT T		Library Library
SJO3 INT, SJOH INT,		
SJOH INT,	CA - DIST	Water Breed of
	The state of the s	
MISION	4111)	bries' in the
	MINION	

FORTEGN KEY (Rmo) REFRENCES Ablotuding (Rmo)); INSERT INTO Ablostud result (Rmo, stot, stor,
NSERT INTO +blstrid_result croo, stot, stoz, s
NSERT INTO +blstrid_result croo, stot, stoz, s
(2,67,76,80,86,88), (3,55,78,74,85,80), (43,43,76,69,55,76), (22,56,34,36,38,30), (4,33,56,45,34,30), (5,80,90,95,92,80);
(8,67,76,80,86,88), (3,55,78,74,85,80), (43,43,76,69,55,76), (22,56,34,36,38,30), (4,33,56,45,34,30), (5,80,90,95,92,80);
(2,67,76,80,86,88), (3,55,78,74,85,80), (43,43,76,69,55,76), (22,56,34,36,38,30), (4,33,56,45,34,30), (8,80,90,95,92,80);
(3,55, 78, 77,85,80), (3,42, 46,69,55,76), (22,56,34,36,38,30), (7,33,56,45,34,30), (8,80,90,95,92,80);
(33,43,46,69,55,76), (23,42,23,75,19,20), (22,56,34,36,38,30), (4,33,56,45,34,30), (8,80,90,95,92,80);
(93,43,76,69,55,76), (23,42,23,45,49,20), (22,56,34,36,38,30), (7,33,56,45,34,30), (8,80,90,95,92,80);
(8,80,90,95,92,80);
(\$2,56,34,36,38,30), (\$1,33,56,45,34,30), (\$1,80,90,95,92,80);
(7,33,56,45,34,30), (8,80,90,95,92,80);
(8,80,90,95,92,80);
the state of the s
Add total and percenture Cially a William II
A WAA TOTAL FLOOR DAVANAMANA LAALA
and replacte them as per the given marks
-> ALTER TABLE +blstud_result
ADD (total Number, per Number);
UPDATE tolstud resield
SET total = (s101 + 5102 + 5103 + 5104 + 5105),
per = total 15;
per = 1010015
2. Display students detail who case studied in Electrical
SELECT * FROM Holstrid_info
WHERE RNO IN (SELECT RNO FROM Holdept
WHERE - Unames Electricas
Arrent well (acisterially far miles

	1 correll of Pooja
3.	Display the result bletzid into
->	Display the result of Poojus SELECT * FROM Holstrid into
	WILL
	who got maximum
u	Display the students detail who got maximum maximum
→	CLIECT * FROM 10.3.
li-in-	WHERE RNO IN C
Biological Control of the Control of	attent Daga FROM TUSTUCE
Structure of the second	WHERE Stot = (SELECT MAY (STOZ) FROM Holstud row
);
The state of the s	Display the students detail who got minimum marks
5.	Display the students actual and
The same of the sa	subject 103
->	SELECT * FROM Holstud_info
The second secon	WHERE RNO IN (SELECT Rno FROM Holstend result
	WHERE STOZ= (SELECT MIN (STOZ) FROM Hold
	result)
to the second), L
	Significant restaurant to the first of the f
6.	Display the students detail who got maximum per.
->	SELECT si. Rno, si. Fname, si. Sname, so. stot sr. 202, sr. 103,
1,77	social, sy dos, sr. Percentage
	FROM Holstud info si
	JOIN Holstud resul sr ON si. Rno = ST. Rno
	WHERE 38. To Pericontage = '
0.000	(SELECT MAY (Percentage) From Holstad result
107);
Manager St.	
vision	
a asserta	

Display the students detail cubo and minimum total
Display the students detail who got minimum total. SELECT si. Rno, si. Fname, si. Sname, sr. 57-1, sr. 102; sr. 103, sr. 104
5x. Jos, sv. Total, sv. Percentage
FROM thistud_info si
JOIN + blstud_resul so ON si. Rno = sr. Rno
WHERE ST. Total = CSELECT MINICTOLUS FROM HOISTUR-
result)
23
8. Display the students detail whose total is more than the
8. Display The Stations design whose total is more must the
-> SELECT a. Rno, a. Fname, a. Sname, b. Stot, b. Stoz, b. toz, b. stoy,
b. 705, b. Totell, b. Percentage
FROM Holstud-info a.
JOIN Hostrid result b ON ai Rno = b-Rno
WHERE 5. Total > (SELECT AVOS (Total) FROM thisty result)
WILKE OFFICE OF THE PROPERTY O
11 1 1 1 1 1 1 mla sub-sa sussensime is Peater
a Dealon the recolly of students whose succession
o select s. Rno, s. 202, S. 202, S. 203, S. 204, S. 205, S. Total,
s. Percentage
con Under some
TOTAL Phlotoad into a ON a. Kno = S. Kno
ITKE (SELECT Sname WHERE
FROM Holdright WHERE
sname LIKE 'Patel');
1 2001 Talk 1813
CARALLY VILLE TO LINE OF THE PARTY OF
The same of the sa

Equation (1)	Display the department detail where total number of
	Display the action 3
	students are only 3 SELECT d. Dno, d. Dname From Holdept d SELECT d. Dno, d. Dname From Si. Dno
→	JOIN Ablstud_info si DN d. Dro = si. Dno
	TOTAL HOLCTIN MIO SI
	Capalia Dy d. Dios C. Villance
	HAVING COUNT (si-Rno) = 33
	Display the department name of highest percentage SELECT didname FROM toldeptid
_	SELECT didname FROM Holdeptid
al go	JOIN thistud_info si, thistuderesult so ON d. Dno: sidn
	si. Rno = Sr. Rno
	WHERE ST. Per = (SELECT MAX (Per) FROM Holstudores
19	Display the students detail of civil and IT
->	SELECT si.* From Holstrud_info. si
	JOIN i Holdept d' ON si. Dno = d. Dno
	WHERE didname IN ('Civil', 'Information Technolog
* 13	Display the result for saule student
>	SELECT SO, * FROM Hotstrid result so
	JOZN Holstud-info si ON si Rno = 3x. Rno
	JOZH Holstrud_info si ON si. Rno = 38. Rno WHERE si. Gender = CSELECT. Gonder FROM Holstru
	WHERE Gender = 1 m 1.3;
1-1-1-1	Comment of the second of the s
	Display the students detail whose total is < 250 SELECT Si. # 588. * FROM tolstud_info si
	SELECT SI. * 588. * FROM Holstrid_info si
	John Toistuc result ST () N si Rms - C. Dona
	WHERE SO. Jotell < ESELECT Total FROM Hotstudgest
	250 5 M
vision	

15. Display the students result whose subject jos's murts - SELECT + FROM Holsfud-result WHERE STO3 IN (80,84,98); 16. Display the students result whose subject tosis murks are more than 45, 69,77 . -> SELECT * FROM Ablotud_ result WHERE STOS > CEREATEST (45,69,77); 17. Display the students result albs subject tozis masks. are more than atteast one of 45,69 and 77 -> SELECT * FROM Holstrid result ! WHERE SLOZ > LEAST (45,69,77); 18 Display the students detail whose results use available -> SELECT * FROM 461stud_ info 5" WHERE EXISTS (SELECT + FROM Holstrid result a WHERE S.Rno = v. Rno); 19 Display the students detail ahose results are not available. JSELECT * FROM Abistud_infos WHERE MOT EXISTS (SELECT I FROM Ablatud result o WHERE S. Rno = x. Rno); to Create student table (-mo, name, phone no insent record too Holstud into table

CREATE TABLE Student (
Rno INT PRIMARY KEY,
name varchare (200),
phone_no VARCHARE(25)
5:
The state of the s
-> INSERT INTO student (Rno name whomas
Select Rno, name, phone no From Holstridinfo;
21. (Reade students table with fields mo, total, per.
Insert records from Holstud_result.
THE Student 1 (
KMO INT PRIMARY KEY
TOTAL INT
PER Per INT Decimul (5,2)
- INSERT TRITO STALL I
JINSERT INTO Student L (ono, total, pen): FROM Holstud in to 14.
FROM Hoteld in to 1
thistud recall to
WHERE to gender = 1 a 13.
99 Corocida adail 1
the records from thistud in to table with fields mo, name, gender I
IT dept who belong to the
-> CREATE THBLE Student & (
Rno INT PRIMARY KEY,
VARCHARO (Ca)
gender VARCHARQ (2)
Vision

> INSTRT INTO Stridente (mo, namo, gender;
SELECT +J. Rro, +J. name, +J.gender
FROM Holstud_into 17
JOIN +61dept +2 ON +2. Dno = +2. Dno
WIERE te. D'noime = 1 Information Technology's
WHILE
Es update in the student & tuble and add to in the per field
for students from Electrical dept.
Student 1
SET per = per + 10
FOR MAD IN (STITCE DAYNE THE
WHERE Drame = 'Electricalis;
1. Delete the records of the civil department from the
1. De Delete The seconds
student teuble. > DELETE FROM student > DELETE FROM Student -> DELETE FROM Student
DELETE FROM Student DELETE FROM Student WHERE ROO IN (SELECT +1. ROO FROM +b1stud_info +1. WHERE ROO IN (SELECT +1. ROO FROM +b1stud_info +1.
WHERE RNO IN (SELECT +J.Kno No. 12 dno = +2 dno Jojin +bidept +2 on +2 dno = +2 dno
JOIN ABIGEDT 12 Civil');
1 de colomb
5. Update the phone mumber to 9988776655 in the student
5. Update the phone mimber
table for temale
((((((((((((((((((((
SFT phone-no = 19988 + 46653 FROM Holstry Into
WHERE RNO IN (SELECT KIO WHERE Coender = 1 F1
WHERE OSO
); " " " " " " " " " " " " " " " " " " "
Total Mining Company of the Company

26	Delete the records of 'Fermale's from the Student
\rightarrow	DELETE FROM Student
- I the second s	WHERE RNO IN C SELECT MO FROM Holsful
g manufacture of the first section of the control o	WHERE Gender= FI
And the second section of the second section of the second second	J. MILEKE PRINGSL = EL
27	Display the result of the female students whose on
Manager and a second	is more there is an of the temple students whose
and marked the same of the sam	Is more than 15 years, SELECT Sr. * FROM Holstud result sr
A CONTRACTOR OF THE PROPERTY O	JOIN Holstand incl. 3 This trud result 5.7
Anguage value (approximately decided to the second	JOIN Holstud_info 7 ON ST. Rno = i. Rno WHERE i gender 1510
-	WHERE i.gender = 'F' AND (CURRENT_DATE - i.Bdute)
Managember of the Control of the Con	1.362 > 72.
2	8. Display the students result whose birth is in the last week of the month. > SELECT 5. fin s.* FROM thistard and it.
No. of Street,	last week of the most whose birth is in the
-	JOIN Holstudinto i DIN & Rome: 0
	JOIN thistaid int.
•	WHERE DAY (1. Braide) > 243
99	Die les 11
	Display the names of departments where at least
	$(\Delta \Gamma) F(T) = (\Delta T) F(T)$
N. Commence of the last of the	FROM Holdept d. Drume
* control of the cont	JOIN thickery:
	(60/b = 5.1)mo°
30	Display the department detail where not a sing
	student is stydying.
/	SELECT * FROM O 1101
	TO THE PART OF THE
Wician	FROM Holsted infoli
TAISION	
vision	FROM Holsted infoli

*	Index
1.5	Creete index on dnume field on Holdept tubb. CREATE INDEX idxo ON Holdept (Dnume);
2.	(recite index on dno une mo fields on Holstud_info teubb (REATE INDEX ind 1 ON Holstud_info (Ono, Rno);
3	(reate unique index on mo field on tolstud_result tols (REATE UNIQUE INDEX rax2 ON tolstud_result (Rno);
7	Drop all subove oresited indexes Drop INDEX idxo OH Holdept; Drop INDEX ind I ON Holstud_info; Drop INDEX idxe OH Holstud_result;
5. ->	Display the top three students result SELECT & FROM (SELECT & FROM +bistud result ORDER BY 3402 DESC, 5109 DESC, 5103 DESC
	WHERE ROWMUM (= 3;
+	Alminy -
++++	