/* Lab Assignment–1 1. Create table Student (Rno, Name, DOB, Gender, Class, College, City, Marks) 2. Insert 5 records in student table 3. Display the information of all the students 4. Display the detail structure of student table 5. Display Rno, Name and Class information of ‘Patiala’ students. 6. Display information on ascending order of marks 7. Change the marks of Rno 5 to 89. 8. Change the name and city of Rno 9. 9. Delete the information of ‘Amritsar’ city records 10. Delete the records of student where marks<30. */ DROP TABLE students; Create table students (Rno int , Name varchar(40), DOB Date, Gender char(1), Class int, College varchar(50), City varchar(40), Marks tinyint); INSERT into students VALUES(1,'Prince','2000-12-13','M',14,'tiet','kkr',22); INSERT into students VALUES(2,'kiran','2002-09-23','M',11,'tiet','patiala',90); INSERT into students VALUES(3,'Ankush','2003-11-03','M',10,'tiet','Amritsar',100); INSERT into students VALUES(5,'kamal','2004-02-11','F',15,'tiet','patiala',95); INSERT into students VALUES(9,'Anil','2000-01-19','M',9,'tiet','kkr',23); select * from students; SELECT Rno,Name,Class from students where City='patiala'; select * from students ORDER BY Marks ASC; EXPLAIN SELECT * FROM students; UPDATE students SET Marks=89 WHERE rNO=5; select * from students; UPDATE students SET Name='SHUBHAM', CITY='AMBALA' WHERE rNO=9; DELETE from students where City='Amritsar'; DELETE from students where Marks<30; select * from students; /* Database Management System Lab Assignment-2 1. Create table emp which has the following attributes (employee table) (empno, ename, job, sal, deptno) 2. Insert appropriate records in above tables. 3. Get employee no and employee name who works in dept no 10 4. Display the employee names of those clerks whose salary > 2000 5. Display name and sal of Salesperson & Clerks 6. Display all details of employees whose salary between 2000 and 3000 7. Display all details of employees whose dept no is 10, 20, or 30 8. Display name of those employees whose commission is NULL 9. Display dept no & salary in ascending order of dept no and with in each dept no salary should be in descending order 10. Display name of employees that starts with ‘C’ 11. Display name of employees that ends with with ‘C’ 12. Display name of employees having two ‘a’ or ‘A’ chars in the name 13. Display the name of the employees whose second char is ‘b’ or ‘B’ 14. Display the name of the employees whose first or last char is ‘a’ or ‘A’ */ DROP TABLE EMP; Create table EMP(empno int, ename varchar(40), job varchar(40), sal int, deptno int); INSERT into EMP VALUES(1,'Cinkpopli','salesperson',2500,10); INSERT into EMP VALUES(2,'Cartoon','clerks',NULL,20); INSERT into EMP VALUES(3,'manish','salesperson',2000,40); INSERT into EMP VALUES(4,'aayush','salesperson',3000,10); INSERT into EMP VALUES(5,'Prince','manager',2500,30); INSERT into EMP VALUES(6,'abacus','salesperson',1500,10); INSERT into EMP VALUES(7,'ABU dhabi','clerks',2700,20); INSERT into EMP VALUES(8,'alia','salesperson',1000,40); INSERT into EMP VALUES(10,'hectiC','salesperson',4000,10); INSERT into EMP VALUES(11,'virushka','clerks',NULL,20); INSERT into EMP VALUES(12,'astha','salesperson',2500,10); INSERT into EMP VALUES(13,'aditya','salesperson',1400,10); select * from EMP; select empno, ename from EMP where deptno=10; select ename from EMP where job='clerks' AND sal>2000; select * from EMP where sal BETWEEN 2000 and 3000; select * from EMP where deptno IN (10,20,30); select ename from EMP where sal is NULL; select deptno, sal from (select * from EMP order by sal DESC) ORDER by deptno ASC; select ename from emp where ename like "C%"; select ename from emp where ename like "%C"; select ename from emp where ename like "%a%a%" or "%A%A%"; select ename from emp where ename like "_b%" or "_B%"; select ename from emp where ename like "a%" or "%a" or "A%" or "%A"; select * from EMP; //OUTPUT---------- ---------- //----------

Rno,Name,DOB,Gender,Class,College,City,Marks 1,Prince,2000-12-13,M,14,tiet,kkr,22 2,kiran,2002-09-23,M,11,tiet,patiala,90 3,Ankush,2003-11-03,M,10,tiet,Amritsar,100 5,kamal,2004-02-11,F,15,tiet,patiala,95 9,Anil,2000-01-19,M,9,tiet,kkr,23 Rno,Name,Class 2,kiran,11 5,kamal,15 Rno,Name,DOB,Gender,Class,College,City,Marks 1,Prince,2000-12-13,M,14,tiet,kkr,22 9,Anil,2000-01-19,M,9,tiet,kkr,23 2,kiran,2002-09-23,M,11,tiet,patiala,90 5,kamal,2004-02-11,F,15,tiet,patiala,95 3,Ankush,2003-11-03,M,10,tiet,Amritsar,100 addr opcode p1 p2 p3 p4 p5 comment ---- ------------ ---- ---- ---- ------------ -- ------------ 0 Init 0 14 0 NULL 0 Start at 14 1 OpenRead 0 2 0 8 0 root=2 iDb=0; students 2 Rewind 0 13 0 NULL 0

NULL 3 Column 0 0 1 NULL 0 r[1]=students.Rno 4 Column 0 1 2 NULL 0 r[2]=students.Name 5 Column 0 2 3 NULL 0 r[3]=students.DOB 6 Column 0 3 4 NULL 0 r[4]=students.Gender 7 Column 0 4 5 NULL 0 r[5]=students.Class 8 Column 0 5 6 NULL 0 r[6]=students.College 9 Column 0 6 7 NULL 0 r[7]=students.City 10 Column 0 7 8 NULL 0 r[8]=students.Marks 11 ResultRow 1 8 0 NULL 0 output=r[1..8] 12 Next 0 3 0 NULL 1 NULL 13 Halt 0 0 0 NULL 0 NULL 14 Transaction 0 0 116 0 1 usesStmtJournal=0 15 Goto 0 1 0 NULL 0 NULL
Rno,Name,DOB,Gender,Class,College,City,Marks 1,Prince,2000-12-13,M,14,tiet,kkr,22 2,kiran,2002-09-23,M,11,tiet,patiala,90 3,Ankush,2003-11-03,M,10,tiet,Amritsar,100 5,kamal,2004-02-11,F,15,tiet,patiala,89 9,Anil,2000-01-19,M,9,tiet,kkr,23
Rno,Name,DOB,Gender,Class,College,City,Marks 2,kiran,2002-09-23,M,11,tiet,patiala,90 5,kamal,2004-02-11,F,15,tiet,patiala,89 empno,ename,job,sal,deptno 1,Cinkpopli,salesperson,2500,10 2,Cartoon,clerks,NULL,20 3,manish,salesperson,2000,40 4,aayush,salesperson,3000,10 5,Prince,manager,2500,30 6,abacus,salesperson,1500,10 7,ABU dhabi,clerks,2700,20 8,alia,salesperson,1000,40 10,hectiC,salesperson,4000,10 11,virushka,clerks,NULL,20 12,astha,salesperson,2500,10 13,aditya,salesperson,1400,10
empno,ename 1,Cinkpopli 4,aayush 6,abacus 10,hectiC 12,astha 13,aditya ename ABU dhabi
empno,ename,job,sal,deptno 1,Cinkpopli,salesperson,2500,10 3,manish,salesperson,2000,40 4,aayush,salesperson,3000,10 5,Prince,manager,2500,30 7,ABU dhabi,clerks,2700,20 12,astha,salesperson,2500,10 empno,ename,job,sal,deptno 1,Cinkpopli,salesperson,2500,10 2,Cartoon,clerks,NULL,20 4,aayush,salesperson,3000,10 5,Prince,manager,2500,30 6,abacus,salesperson,1500,10 7,ABU dhabi,clerks,2700,20 10,hectiC,salesperson,4000,10 11,virushka,clerks,NULL,20 12,astha,salesperson,2500,10 13,aditya,salesperson,1400,10
ename Cartoon virushka deptno,sal 10,4000 10,3000 10,2500 10,2500 10,1500 10,1400 20,2700 20,NULL 20,NULL 30,2500 40,2000 40,1000 ename Cinkpopli Cartoon ename hectiC ename aayush abacus ABU dhabi alia astha aditya ename abacus ABU dhabi ename aayush abacus ABU dhabi alia astha aditya empno,ename,job,sal,deptno 1,Cinkpopli,salesperson,2500,10 2,Cartoon,clerks,NULL,20 3,manish,salesperson,2000,40 4,aayush,salesperson,3000,10 5,Prince,manager,2500,30 6,abacus,salesperson,1500,10 7,ABU dhabi,clerks,2700,20 8,alia,salesperson,1000,40 10,hectiC,salesperson,4000,10 11,virushka,clerks,NULL,20 12,astha,salesperson,2500,10 13,aditya,salesperson,1400,10 //---------- //---------- /*prince 101916056 assignment 3 on oracle online */ /* select sysdate from dual; select to_char(sysdate,'day') as system_date_time from dual; select to_char(sysdate,'MM year') from dual; select to_char (sysdate,'day month year') from dual; select to_char(sysdate, 'HH24:MI:SS PM') from dual; select next_day(sysdate,'FRIDAY') from dual; select round(sysdate,'month') from dual; select trunc(sysdate,'month') from dual; select round(sysdate,'year') from dual; select trunc(sysdate,'year') from dual; select to_char(sysdate+3,'day month year') from dual; -- */ /*prince 101916056*/ -- drop table emp; -- create table emp(empno int, ename varchar(255),job varchar(255), salary int, deptno int, date_joining date); -- insert into emp(empno,ename, job, salary, deptno, date_joining) values(1,'shubham','Analyst',5000,10,'01-nov-2020'); -- insert into emp(empno,ename, job, salary, deptno, date_joining) values(2,'Prince','Senior Analyst',5000,11,'01-dec-2020'); -- insert into emp(empno,ename, job, salary, deptno, date_joining) values(3,'Sameer','Research Assistant',6000,20,'01-jan-2021'); -- insert into emp(empno,ename, job, salary, deptno, date_joining) values(4,'carie','Salesperson',10000,30,'01-feb-2021'); -- insert into emp(empno,ename, job, salary, deptno, date_joining) values(5,'Kevin klen','Clerk',1000,10,'01-mar-2021'); -- SELECT DISTINCT * FROM emp; -- SELECT TO_CHAR(date_joining, 'DAY') FROM emp ; -- SELECT * FROM emp WHERE TO_CHAR(date_joining,'FMDAY')='MONDAY'; -- SELECT * FROM emp WHERE to_char(date_joining, 'mon')='mar'; -- SELECT * FROM emp where to_date(sysdate) - to_date(date_joining)<30; -- create table train(train_no int, depart date, arrival number, departure number); -- insert into train(train_no, depart, arrival, departure) values(1234, '23-feb-2021','1300','1430'); -- insert into train(train_no, depart, arrival, departure) values(5678, '04-apr-2021','1400','1550'); -- insert into train(train_no, depart, arrival, departure) values(7812, '11-feb-2021','0900','0945'); -- insert into train(train_no, depart, arrival, departure) values(9843, '30-jun-2021','0900','1130'); -- insert into train(train_no, depart, arrival, departure) values(3948, '22-mar-2021','1900','2010'); -- select * from train; -- select arrival, departure from train; -- select * from train where arrival>1200; -- select * from train where departure between

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to_char(sysdate,'hh24mi') and to_char(sysdate+1/24,'hh24mi'); /*prince 101916056 assignment 4 on oracle online */ -- select CHAR(67) as NumberCodeToCharacter; select replace('prince saini','prince','hello'); select concat('Prince', 'Bhai'); select unicode("sdfad"); select typeof("asdfs"); select upper("sdfasd"); select ("Prince" || "sainI"); select instr("helloworld","world") as indx; select length ('prince saini') as y; select lpad('vPrince',14,'@'); select ltrim(' yesa'); select rpad('prince',15,'@'); select rtrim('hey '); select replace('prince saini','prince','hello'); select substr('Prince saini', 2, 7) as newstr; select initcap('prince saini'); select lower('PRINCE SAIni'); select upper("prince saini"); select abs(-8.34); select ceil(3.8); select exp(2); select cos(90); select floor(5.6); select mod(8,3); select power(5,2); select round(7895.3432,-4); select sign(-45) as sign; select sqrt(100); select truncate(135.375,2); select sysdate(); select current_date(); select add_months('01-feb-2021',9) from dual; select last_day('2016-02-03'); select months_between (to_date('02-02-1995','MM-DD-YYYY') to_date ('01-01-1995','MM-DD-YYYY')) "months" from dual; select next_day('24-nov-20', 'Friday') from dual; select greatest(3,12,34,8,25); select least(3,12,23,34,45,56); select current_time; select salary+commision from emp; create table emp(empno int, ename varchar(255),job varchar(255), salary int, deptno int, hire_date date);insert into emp(empno,ename, job, salary, deptno, hire_date) values(1,'Mark','Analyst',5000,10,'2020-11-01'); insert into emp(empno,ename, job, salary, deptno, hire_date) values(2,'Adam','Senior Analyst',5000,11,'2020-12-01'); insert into emp(empno,ename, job, salary, deptno, hire_date) values(3,'Sam','Research Assistant',6000,20,'2021-01-01'); insert into emp(empno,ename, job, salary, deptno, hire_date) values(4,'Marie','Salesperson',10000,30,'2021-02-01'); insert into emp(empno,ename, job, salary, deptno, hire_date) values(5,'Kevin','Clerk',1000,10,'2021-03-01'); insert into emp(empno,ename, job, salary, deptno, hire_date) values(1,'Amy','Consultant',10000,11,'1985-10-11'); select * from emp; SELECT * FROM emp WHERE YEAR(hire_date) LIKE '1985%'; SELECT * FROM emp WHERE YEAR(hire_date) LIKE YEAR(CURDATE());
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