Online Training Exam Details

4. CEF

В

 $Consider the \ relation \ R(A, B, C, D, E, F, G, H, I, J) \ and \ the \ set \ of \ functional \ dependencies \ F = \{\{A,B\}\hat{a}\ddot{Y}\P\{D,E\}, \ \{B\}\hat{a}\ddot{Y}\P\{G,H\}, \ \{D\}\hat{a}\ddot{Y}\P\{I,J\}\} \ What \ is \ the \ key \ for \ R?$

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1. AB 2. BC 3. CD 4. EF

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S.no	Attempt Answer	Correct Answer		
1	A	A		
A Table R has 6 attributes A, B, C, D, E, F a	and the functional dependencies are given below F= { AB->C, DC->AE, E->F } Tell the table is in which r	normal form?		
b. 2NF c. 3NF				
d. BCNF				
2	A	С		
Consider the tables salesinformation given Table: salesinformation region salesman sale	below:			
North James 800000 West Alan 760000				
West David 350000 East John 124000 North Nolan 590000				
South Nick 235000 East Nicholas 145000 Katie and Lisa have written queries to get the	ne desired output:			
region salesman sale West Alan 760000				
East John 124000 East Nicholas 145000				
Katie's Query: SELECT*FROM salesinformation WHERE Lisa's Query:	(LOWER(region) LIKE '%t' AND (UPPER(salesman) LIKE '%N' OR UPPER(salesman) LIKE 'N%'));			
SELECT* FROM salesinformation WHERE Whose query will generate the desired outp	(LOWER(region) LIKE '%th' OR (UPPER(salesman) LIKE '%N' AND UPPER(salesman) LIKE 'N%')); out?			
A. Both Lisa's and Katie's B. Neither Lisa's nor Katie's C. Only Katie's				
D. Only Lisa's				
3	A time will be 0.01.0	A		
What will be the output of the following fund SELECT REPLACE('ABC ABC ABC', 'a', 'c' 1. cBC cBC cBC				
2. aBC aBC aBC 3. BC BC BC 4. aB aB aB				
4	С	С		
Given are the columns in the STUDENTS to STUDENTS table columns:	able, Which of the following statements will you use to retrieve a string that contains '_abc_' in the 'STU	DENT_ID' column?		
CLASS_ID NUMBER (4) LAST_NAME VARCHAR2 (25)				
STUDENT_ID VARCHAR2 (10) Options 1. SELECT class_id, last_name, student_id	FROM students WHERE student_id = %ABC%;			
SELECT class_id, last_name, student_id SELECT class_id, last_name, student_id	FROM students WHERE student_id LIKE ABC_%; FROM students WHERE student_id LIKE %ABC%;			
4. None of these	A	A		
Which of the following statements are true a	about LIKE operator in SQL?			
 LIKE operators are case insensitive. LIKE '%abc' finds all the strings end with a LIKE '%ABC%' finds all the strings which 				
 LIKE '_AC_' find all the strings which have Options A,B,C,D 	exactly 4 characters and the 2nd and 3rd characters are A,C respectively			
2. A,B,C 3. A,B,C				
4. A,B	С	С		
Which of the following lines in the given coo				
SELECT stid,f_name, I_name FROM students				
 WHERE SUBSTR(I_name, 1, 1) > TO_N AND stid > 2000 ORDER BY stid DESC, I_name ASC; 	UMBER('P')			
Options 1. No error 2. A				
3. C 4. D				
7	A	A		
Consider the following SQL query: SELECT * FROM orders WHERE order_da	te = MAX(order_date);			
What error does this query produce? A) Incorrect usage of aggregate function in the WHERE clause.				
B) Missing GROUP BY clause for the non-a C) MAX function cannot be used in the WH D) Missing parentheses around the MAX fu	aggregated columns. ERE clause.			
b) Missing parentineses around the MAX to	inction.			
8	C	С		
Find the correct choice of the given SQL co SELECT ROUND(123.456, (SELECT LENG	mmand: GTH(ROUND(123.456,-1)) FROM dual)) FROM dual;			
A) 120 B) 123 C) 124				
D) Error				
9	D	A		
	the names of students who are enrolled in all courses? WHERE NOT EXISTS (SELECT * FROM Course WHERE NOT EXISTS (SELECT * FROM Enrollment	WHERE Student.student_id = Enrollment.student_id AND Course.course_id = Enrollment.course_id		
C) SELECT student_name FROM Student	WHERE student_id IN (SELECT student_id FROM Enrollment GROUP BY student_id HAVING COUNT WHERE (SELECT COUNT(*) FROM Course) = (SELECT COUNT(*) FROM Enrollment WHERE Stude WHERE student_id IN (SELECT student_id FROM Enrollment GROUP BY student_id HAVING COUNT	nt.student_id = Enrollment.student_id);		
Consider the following SQL query:	В	В		
	ROUP BY department HAVING AVG(salary) > 5000;			
A) Average salary for each department with B) Average salary for each department but	a salary greater than \$5000. only if the average salary is greater than \$5000.			
C) It will throw an error because of the impr D) It will return the average salary for all en				
11	D	С		
	the count of rows in the 'orders' table for each unique value of the 'customer_id' column?			
A) SELECT COUNT(*), customer_id FROM B) SELECT customer_id, COUNT(*) FROM C) SELECT customer_id, COUNT(*) FROM	l orders; I orders GROUP BY customer_id;			
D) SELECT COUNT(*), DISTINCT custome	er_id FROM orders;	С		
	and E2. The existence of E2 is completely dependent on the entity set E1. Which of the following constr			
Dotted rectangle. Diamond Doubly outlined rectangle				
4. Rectangle				
13	D	D		
 {student_id, student_name} is also a c {student_id, student_street} is also a c 	andidate key			
{student_id, student_name, student_str 4. None				
14	A	A		
Let R= (A, B, C, D, E, F) be a relation scher 1. CD 2. CE	me with the following dependencies: C->F, E->A, EC->D, A->B. Which of the following is not a key for R	?		
2. CE 3. BCE				

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Online Training Exam Details

Marie Mari	nline Training Exam Details		
Exercise the accordion of the BAPLOTHES SINCE LOFE SINCE MARKANDED MARKANDED SINCE LOFE SINCE MARKANDED MARKANDED MARKANDED SINCE LOFE SINCE MARKANDED MARKANDED MARKANDED MARKANDED SINCE LOFE SINCE MARKANDED MARKANDED MARKANDED MARKANDED SINCE LOFE SINCE MARKANDED MARKANDED MARKANDED MARKANDED SINCE MARKANDED SINCE MARKANDED SINCE MARKANDED MAR	S.no	Attempt Answer	Correct Answer
DREP OF MARKER (A) OF MALL FOR THE MARK MARKER (A) OF MALL FOR THE MARK MARKER (A) OF MARKER (A) O	1	A	D
A RESIDENCE of the 1 Min place of Min place	Examine the description of the EMPLOYEES EMP_ID NUMBER (4) NOT NULL LAST_NAME VARCHAR2 (30) NOT NULL FIRST_NAME VARCHAR2 (30) DEPT_ID NUMBER (2) JOB_CAT VARCHAR (30) SALARY NUMBER (8, 2)	table:	
EVALUATE PROJECT COUNT has 12 member values at 12 2, 13, 11, 1 mil 24 12 mil 13, mil 14 mil 1	A.SELECT dept_id, MIN (salary), MAX (salary B.SELECT dept_id, MIN (salary), MAX (salary C.SELECT dept_id, MIN(salary), MAX(salary)	y) FROM employees WHERE MIN(salary) < 5000 AND MAX (salary) > 15000; y) FROM employees WHERE MIN (salary) < 5000 AND MAX (salary) 15000 GROUP BY dept_id;) FROM employees HAVING MIN (salary) < 5000 AND MAX (salary)	5000 and maximum salary is more than 15000?
SHEET CHI Agames, page, page, page and page of the pag	2	В	A
Abbet 1, COUNT has 12 number values as 1,2, 3,32,1, 1, mil. 24,12 mil. 32, mil. Product the odget of the below query. SRECT COUNT (num) PRICHE (court. A 12 C 0 0	SELECT last_name, salary, hire_date FROM What is true about them? A. The two statements produce identical resu B. The second statement returns a syntax err C. There is no need to specify DESC because	EMPLOYEES ORDER BY 2 DESC; Its. or. e the results are sorted in descending order by default.	
SELECTION COUNTY many FROM Locunt. A 12 C 9 C 9 C 10	3	A	С
What is true about a schema? A A schema is counted by a catabase user and has the same name as that user E fact user one was placed schema D A for the above E fact user one was placed schema and the schema is supported by a catabase user and has the same name as that user E fact user one was placed schema and the schema is supported by the schema is succeed to the schema is supported by the schema is succeed to the schema is succeed by the schema is succeed to the schema is succeed by the schem	SELECT COUNT (num) FROM t_count; A. 12 B. 6 C. 9		
Note it toue about a criceman? A A riceman is owned by a distabase user and have the same name as that user 8 Each user owne as gives include distabase into 3 Schamm agrice factors S and street and street and between 1000 to 2000 or 3 peter 1 from emp where sale between 1000 to 2000 or 3 peter 1 from emp where sale headers (1000 to 2000 or 3 peter 1 from emp where sale headers (1000 to 2000 or 3 peter 1 from emp where sale headers (1000 to 2000 or 3 peter 1 from emp where sale headers (1000 to 2000 or 3 peter 1 from emp where sale in 1000 and 2000 or 3 peter 1 from emp where 1000 or 3 peter 1 from emp where 1 peter 1 from emp where 1 peter			D
a) Select 1 from error persons surface said between 1000 to 2000 a) a) Select 1 from error persons said 1000 and 2000 b) Select 1 from error persons said 1000 and 2000 d) Select 1 from error protes said 2000 and 2000 d) Select 1 from error protes said 2000 d) Select 1 from error protes comment	B. Each user owns a single schema		
a) Select 1 from emp where as all-record proton and 2000 b) Select 1 from emp where as all record proton and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where as all in 1000 and 2000 c) Select 1 from emp where rownum = 6.81. c) Select 1 from emp where rownum = 6.81. c) Select 1 from emp where rown	5	В	С
Consider the statements: St. The key of an entity type always consists of a single attribute. St. The key of an entity type may have more than one attribute. St. The key of an entity type may have more than one attribute. St. An entity type may have more than one attribute. St. An entity type may have more than one story. Which of the following is correct? 7	a) Select * from emp where sal>=1000 and 20 b) Select * from emp where sal between (100 c) Select * from emp where sal>=1000 and s	000 0, 2000) al<2000	
St. The key of an entity type may have more than one attribute. \$2. The key of an entity type may have more than one attribute. \$3. An entity type have accedy on each ye. \$4. An entity type have accedy on the ye. \$4. An entity type have accedy on the ye. \$4. An entity type may have more than one key. Which of the following is correct? a. \$1 and \$3 are TRUE b. \$1 and \$4 are TRUE c. \$2 and \$3 are TRUE 7 D D The PRODUCT Stable has these columns: PRODUCT IN NUMER(4) PRODUCT IN NUMER(4) PRODUCT IN NUMER(8) PRODUCT IN NUMER(8) PRICE NUMBER(8) PRICE NUMBER(8) PRICE NUMBER(8) PRICE NUMBER(8) Exalts are not sorted. 5. The results are sorted numerically. C. The results are sorted numerically and then alphabetically. The results are sorted numerically and then alphabetically. B. The results are sorted numerically and then alphabetically. C. The results are sorted numerically and then alphabetically. C. The results are sorted numerically and then alphabetically. C. The results are sorted numerically and then alphabetically. C. The results are sorted numerically and then alphabetically. C. The results are sorted numerically and then alphabetically. C. The results are sorted numerically and then alphabetically. C. The results are sorted numerically and then alphabetically. C. The results are sorted numerically and then alphabetically. C. The results are sorted numerically and then alphabetically. C. The results are sorted numerically and then alphabetically. C. The results are sorted numerically and then alphabetically. C. The results are not sorted. C. C	6	D	D
The PRODUCTs table has these columns: PRODUCT_NAME VARCHAR2(45) PRICE RUMBERR(2) PRICE RUMBERR(2) PRICE RUMBERR(2) PRICE RUMBERR(2) Evaluate this SOL statement: SELECT *FROM PRODUCTS ORDER By price, product_name; What is true about the SOL statement? A. The results are sorted numerically. C. The results are sorted numerically and then alphabetically. D. The results are sorted numerically and then alphabetically. D. The results are sorted numerically and then alphabetically. B. C.	S1: The key of an entity type always consists S2: The key of an entity type may have more S3: An entity type has exactly one key. S4: An entity type may have more than one key. Which of the following is correct? a. S1 and S3 are TRUE b. S1 and S4 are TRUE c. S2 and S3 are TRUE	than one attribute.	
PRODUCT_ID NUMBER(4) PRODUCT_NAME VARCHAR2(45) PRICE NUMBER(8, 2) Evaluate this SQL statement: SELECT * FROM PRODUCTS ORDER BY price, product_name; What is frue about the SQL statement? A The results are not sorted. B. The results are sorted diphabetically. C. The results are sorted alphabetically. D. The results are sorted alphabetically and then alphabetically. B. The results are sorted numerically and then alphabetically. D. The results are sorted alphabetically. C. The results are sorted merically and then alphabetically. 8	7	D	D
How can an empty table emp1 created with same structure as table emp? a) Create table emp1 like (select * from emp b) Create table emp1 like (select * from emp) c) Create table emp1 like (select * from emp where 1=2 d) Create table emp1 like (select * from emp where 1=2) 9	What is true about the SQL statement? A. The results are not sorted. B. The results are sorted numerically. C. The results are sorted alphabetically.		
a) Create table emp1 as select * from emp b) Create table emp1 like (select * from emp) c) Create table emp1 as select * from emp where 1=2 d) Create table emp1 like (select * from emp where 1=2) 9	8	С	С
Which query selects first n records from a table? a) select * from emp where rownum = &n b) select * from emp where rownum >= &n c) select * from emp where rownum <= &n d) select * from emp where rownum <> &n	a) Create table emp1 as select * from emp b) Create table emp1 like (select * from emp) c) Create table emp1 as select * from emp where table emp1 as select * from emp emp emp1 as select * from emp emp emp emp emp emp emp emp emp em	nere 1=2	
a) select * from emp where rownum = &n b) select * from emp where rownum >= &n c) select * from emp where rownum <= &n d) select * from emp where rownum <> &n	9	С	С
10 D	Which query selects first n records from a tab a) select * from emp where rownum = &n b) select * from emp where rownum >= &n c) select * from emp where rownum <= &n d) select * from emp where rownum <> &n	le?	
	10	D	D

A. field names in the SELECT statement

B. the FROM clause in the SELECT statement C. the HAVING clause in the SELECT statement

D. All of the above

Online Training Exam Details Online Training Exam Details Correct Answer S.no Attempt Answer В С Consider the given patient and department table, **TABLE PATIENT TABLE DEPARTMENT** P_CITY P_NAME TEST_DATE DEPARTMENT D_NAME D_LOCATION P_ID PT001 Anesthesia AAA 1-Jun-16 Cardiac Floor 1 Kanpur PT002 AAB 2-Jun-16 Physiotherapy Kanpur Cardiac Floor 2 1-Jun-16 PT003 AAC ENT Kanpur Diagnostics Floor 3 PT004 AAD 2-Jun-16 Kanpur Diagnostics ENT Floor 4 PT005 AAE Neuro Sciences Kanpur 3-Jun-16 General Surgery Floor 5 PT006 BAA Lucknow 1-Jun-16 Orthopedic Neuro Sciences Floor 6 PT007 BAB Lucknow 2-Jun-16 General Surgery Physiotherapy Floor 7 PT008 BAC Lucknow 1-Jun-16 ENT Psychiatry Floor 8 PT009 BAD Lucknow 2-Jun-16 General Surgery Orthopedic Floor 9 BAE Lucknow 3-Jun-16 Pulmonary PT010 Neuro Sciences Floor 10 1-Jun-16 PT011 CAA New Delhi Pulmonary 2-Jun-16 PT012 CAB New Delhi General Surgery Query: SELECT SUBSTR (P_ID, 3) PATIENTID, d.D_NAME FROM PATIENT p INNER JOIN DEPARTMENT d ON p.DEPARTMENT = d.D_NAME WHERE P_CHECKUP_DATE= '02-Jun-2016' AND LENGTH (D_NAME) < 15 order by PATIENTID desc; Which department will be present at second position from top on execution of the above query? Diagnostics General Surgery Physiotherapy Pulmonary Consider the given SQL Query Select * From Table_A a Right Outer Join Table_B b on a.c1=b.c1 where a.c1 is NULL Statement 1: All the rows in the Table_A satisfying the condition of equality. Statement 2: All the rows in the Table_B satisfying the condition of equality. Which option is correct a) Statement 1 is true b) Statement 2 is true c) Both the Statements are correct d) None of the above 3 D Α The following statements are executed on an empty MongoDB Collection db.product.insert ([{_id:1001, Productname:"CCTV Camera", Type:"Exterior", Price: 4500}, {_id:1002, Productname:"Washing Machine", Type:"Interior", Price: 4000}, {_id:1003, Productname:"Car", Type:"Exterior", Price: 4000}, {_id:1004, Productname: "Blender", Type: "Interior", Price: 2500}, { id:1005, Productname: "Microwave", Type: "Interior", Price: 2500}, {_id:1006, Productname:"Gardening Machine", Type:"Exterior", Price: 3500}]); db.product.update ({\$or: [{Productname:" Washing Machine'}, {Price: 4000}]}, {\$set: {Price: 3500}}); db.product.update ({_id: 1003}, {\$set: {Price: 2500}}); db.product.update ({_id: 1006}, {Type:"Interior"}); db.product.remove ({Price: {\$gt: 4000}}); Find the set of statements which will be correct after executing the above statements, S1: Three products will have price as 2500 S2: Two products will have price as 3500 S3: The collection will have four "Interior" types of product S4: Two products will have a name ending with "Machine" a. S1 and S3 b. S1 and S4 c. S2 and S3 d. S2 and S4 C C Consider the given relation scheme and the set of functional dependencies R = (C1, C2, C3, C4, C5, C6, C7, C8, C9, C10) $F = \{\{C1,C2\} \rightarrow \{C3\}, \{C2\} \rightarrow \{C5,C6\}, \{C1,C4\} \rightarrow \{C7,C8\}, \{C7\} \rightarrow \{C9\}, \{C1,C4\} \rightarrow \{C7,C8\}, \{C7\} \rightarrow \{C9\}, \{C9\}, \{C1,C4\} \rightarrow \{C7,C8\}, \{C7\} \rightarrow \{C9\}, \{C9\} \rightarrow \{C9\}, \{C9\}, \{C9\} \rightarrow \{C9\}, \{C9\}$ $\{C8\} \rightarrow \{C10\}\}$ on R. What is the key for R? a) {C1} b) {C1, C2} c) {C1, C2, C4} d) {C1, C2, C4, C7, C8} C Α Consider the table student given as, **TABLE STUDENT** Subject Marks Sid Sname College Abhinav 70 1001 DAA C1 1002 Compiler C2 75 Sameer 1001 Abhinav **DBMS** C1 60 Web Technology C3 1003 Mahek 50 1002 Sameer **DBMS** C1 40 Mahek 1003 Machine Learning C2 50 How many rows will be printed in output after executing the query? Query: SELECT Sid, name FROM Student WHERE marks > 40 GROUP BY Sid, Sname HAVING COUNT (DISTINCT College) > 1; b. 2 c. 3 d. 4 D 6 В Which query will return three highest salaries from the Employee table? Query 1: Select Distinct salary from Employee a where 3 >= (Select Count(Distinct salary) from Employee b where a.salary <= b.salary) order by a.salary desc; Query 2: Select Distinct salary from Employee a where 3 >= (Select Distinct salary from Employee b where a.salary <= b.salary) order by a.salary; Query 3: Select Min(salary) from (Select Distinct salary from Employee order by salary desc) where rownum<=3; a) 01 only b) Q1 and Q2 c) Q2 and Q3 d) Q1 and Q3 В В Consider the table's faculty and allocation given below: **FACULTY** ALLOCATION fname courseid status fid experience fid completiondate Ankush Running 101 11 1001 101 31-Mar-22 Completed 102 **Anurag** 12 1002 102 31-Dec-21 10 31-Mar-22 103 Arushi 1003 101 Running 7 Completed 31-Dec-21 104 Aryan 1004 102 105 Ashutosh 6 1005 104 Running 31-Mar-22 Query: SELECT fid FROM allocation WHERE status='Running' AND fid IN (SELECT fid FROM faculty WHERE experience >=10); How many rows will be fetched when the above query gets executed? a. 1 b. 2 c. 3 d. 4 8 D В Consider a student table with attributes studentid, studentname, dob and contact where studentid is primary key and is the only unique column in the table. There are three indexes for the student table as: Index_1 - studentid Index_2 - studentname, dob Index_3 - dob, phone Which of the following condition will result in INDEX UNIQUE SCAN? C1 - Where a studentname is starting with specific letter Like studentname LIKE 'A%' C2 - Where the specific studentname is selected and with specific date of birth Like studentname = 'Abhay' AND dob = '01-Jan-2001' C3 - Where a city is selected and with specific date of birth Like city = 'Kanpur' AND dob > '01-Jan-2001' C4 - Where a specific studentid is selected and with specific date of birth Like studentid = 'PT001' AND dob = '01-Jan-2001' a. C1 b. C2 c. C3 d. C4 D Α Consider the given SQL Statement Select distinct O1.name from Office O1, Office O2 where O1.income > O2.income and O2.city = 'New York' Which statement is best suited for the given query statement? a) Find the name of all the offices that have income greater than all offices in New York b) Find the name of all the office that has greatest income in New York c) Find the name of all the offices that have income greater than some office located in New York d) Find the name of any office that has income greater than any branch in New York 10 D Α Consider the given table Employees1 **Empno Ename Title** Mgr n1 t1 2 n2 t2 3 3 n3 t3 6 3 4 n4 t4 5 n5 t5 6 n6 t6 3 **Expected Output** employee manager n1 n3 n2 n3 n3 n6 n4 n3 n5 n6 n6 n3 Which query will give the required expected output? a) Select emp.ename as employee, manager. name as manager from Employees1 as emp inner join Employees1 as manager on emp.Mgr = manager.Empno b) Select emp.ename as employee, manager.ename as manager from Employees1 as emp inner join Employees2 as manager on emp.Mgr = manager.Empno c) Select emp.ename as employee, manager.ename as manager from Employees1 as emp inner join Employees1 as manager on emp.Mgr = emp.Empno D) None of the above 11 В С Consider the given Orders and Customers table Orders table (Order_no, Cust, Prodt, Qty, Amt, Discount) Customers table (Custnbr, Company, Custrep, Creditlim) Which query will print all the orders showing order number, amount, company name and credit limit of customers? 01: Select Order_no, Amt, Company, Creditlim from Customers left outer join Orders on customers.custnbr = orders.cust; Select Order_no, Amt, Company, Creditlim from Customers right outer join Orders on customers.custnbr = orders.cust; Select Order_no, Amt, Company, Creditlim from Customers inner join Orders on customers.custnbr = orders.cust; Select Order_no, Amt, Company, Creditlim from Customers outer join Orders on customers.custnbr = orders.cust; a) Q1 b) Q2 c) Q3 d) Q4 D 12 Α Consider the two tables A & B 1 2 3 5 What will be the result on application of inner join between these tables? В Α 3 1 4 4 b) Α 3 1 4 4 c) В Α 2 3 2 d) Α В 3 3 С Α 13 Consider the given table employees: EMP_ID F_NAME L_NAME J_DATE SAL MGR_ID DEPT Steven King 2003-03-17 24000 0 90 101 Neena Kochhar 2005-09-21 17000 100 90 102 De Haan 2001-01-13 17000 100 90 Alex Hunold 2006-01-03 60 103 9000 102 Bruce Ernst 2007-05-21 104 103 105 David Austin 2005-04-25 4800 103 60 Valli Pata 2006-02-05 60 106 103 60 107 Diana Lorentz 2007-02-07 4200 103 108 Nancy Green 2002-10-17 12008 101 100 109 Daniel Faviet 2002-05-16 9000 108 100 John Chen 2005-09-28 110 8200 108 100 Which query returns the expected output? Display the employees first name, last name and joining date who joined having 2nd letter as 'U' in the month and salary in 5 digits ending with 0. Query 1: SELECT f_name, l_name, j_date FROM employees WHERE to_char(j_date, 'MONTH') LIKE '_U%' AND length (salary) = 5 and salary LIKE '%0' Query 2: SELECT f_name, 1_name, j_date FROM employees WHERE to_char(j_date, 'MON') LIKE '_U%' AND length (salary) = 5 and salary LIKE '%0' a) Query 1 is correct b) Query 2 is correct c) Both the queries are correct d) None of the above 14 Α Α Consider the following relations: Student Performance Roll. No Student_Name Roll. No Course Marks Raj 1 Math 80 1 2 Rohit English 70 2 75 Raj Math 3 English 80 Physics 65 Math 80 Which is correct option after execution of below query? Query: SELECT S. Student_Name, SUM (P.Marks) TOTAL_MARKS FROM Student S, Performance P WHERE S.Roll_No = P.Roll_No AND Marks < 80 GROUP BY S.Student_Name ORDER BY TOTAL_MARKS a) Marks gained by Raj is 70 and Marks gained by Rohit 140 b) Marks gained by Raj is 140 and Marks gained by Rohit 210 c) Marks gained by Raj is 70 and Marks gained by Rohit 210 d) Marks gained by Raj is 140 and Marks gained by Rohit 140 В С 15 Consider the given four relational schemas where the underlined attribute(s) is the respective primary keys and identify the schema violating 2NF.

Schema 1: R (A, B)

Schema 2: R (A, C, D)

Schema 3: R (A, C, G)

Schema 4: R (A, C, E, F)

 $A \rightarrow B$

 $AC \rightarrow D$ $D \rightarrow A$

 $AC \rightarrow G$ $C \rightarrow G$

 $AC \rightarrow EF$ $E \rightarrow F$

a) Schema 1b) Schema 2c) Schema 3d) Schema 4