12. Apr. 2014 Answer Paper Started 6.20 pm Alim Ul Kenin Mysach select 'thow you doin , "Nance Durk form 'hellow world'; Select [How you Doing], [Name Date] From [Hello World]; | MSSQL, MS ACEESS, Select ADID from A Where AOID IN (1,3) AND Awation IN ('bol', 'bol'); Select Concat (Alocation, bid) As display from A; JMS SQL ressults. =) wis plany Direct Performing string + number will Local 1 oc 2 give error. Alocation + str (boid) =) possible. oc 3 004 A No error. Alocketian + bid as display from A; (b) hysal: Select Select Concat (Alocation, BID) as display from Oracle: => display NUIL A; Display NULL Sme as MS SQL output. MySQL there is also concart frection. which give the same venult as MSSQL.

Select Alocation + bid on display from A;

display No error.

boc11

NULL

NULL

0e41

(3) Select Alocation form A 'loc2; 'loc4');
where Alocation IN ('loc2; 'loc4');

(7) soult know the exact result.

Select Cancert (Awadion, Bid) an display
from A;
Result should be some of MS SQL
answer.

Select Alocation + bid

Will result error and there is no

will result error and there is no

str() finetion to get int to string.

Number

MS QL/ACCESS/ ORACLE MYSQL Display (8) Display NULL NULL NULL NI-V3 12 N2-V3 NULL NULL 0 NULL NULL NOILL Group by hening Orden 2 Select * Form [X] Where 3 1,3,5,4,2 is the answer. IN query represents OR AID IN (1,2,4) mens A [D 2 | Or AID =2 0 AID = 4 Difference between IN and OR is there In query executes as a block thus. [N(1,2,4) =) (AID =1 -- AID =4)

As a result amount is C

11 Select * from A where BID is not mill AND Alocation like 'OC'/. 1; -> for some duty bone wild cand # Select & from A where BID is whole AND Alocation like 'Ock'; 12 select # from A where Alocation NOT 13 Select & from A where 1 Like 'Loc'!; 19 Select # from A where Alocation NOT does in't antain. like '/. oc'. wild wild courd Clusted Index/Primy wer is always sorted to perform binary seerech. Bigo (Logn) 16 Non-prinny key, Bizzo (n)

Non clustered indexes are those index which are made against other columns In Outatable based on clustered index or primary key. ID Frame Primary key index. or clustrered index. Zakier Mord Mahadr' Azhar If a non clustered index is made against ph for France term in background & also be o some on ANN clustered index

Falour Now if we search against France Forme or Its Do. in Alice Azhar Mahadi Zakir this table Migo (logn) Making Wan-cluster index at esst Creating take a sarting. don't make so eventing or every anof maifigny Big O (nlogn) the com ilep bured. best sorting Dury do tenic for Non-clustered indexen when were and there is always 2 entries. constructly sewelly with it

18 Anwered in Details in 27 Pris (n logn) > best sorting alf. Don't make every column non-clusturel index. 19 Number/Croid performs better than Vorrehm I varehr takes 8 bits of space Think through throw sh so if you want have primy key of 4 characters it would be 8X4=32 mits You can combine character with unber but of you store serial numbers as verden it will ortun

int size after keeping only 4

class. On the other hand If

class. On the other hand If

class. On the other hand If

you have int., you can have

you have int. Serials. Which

(-2 hillm to 2 hilly 6 hillison prossible Serials. Which

south more optit optimize and better

prosts much more optit optimize and better

south m. Another thing about in that

southins. Another better in terms of sorting

mosers perform better in terms of sorting

and binny securcling.

20 nchar (8) or chur (8)
Always take full space

both { Varcher(8) -> Trimmed space / Not all characters filled take { chen (8) -> All characters must be filled space

Vorrcher (E) Invarcher (E)

Space 4 "hello III"

Space 54 bits

8x8:64 bits

even though 400 kept just 'hello' but

in two famults it will differ

in two famults it will differ

To get the hello from netur/char.

To get the hello from 1 = "hello...";

SQL => Select # from TI where nI ike 'hello'.';

21 Between query verils from database to outs base. But here dutabure is given MS SQL SEVER: Test > Con1 ANO Test & con Z So D, (A) would be the answer. 22 Select & from Employee where \$\frac{4}{12-Apr-1960}\, \frac{1}{12} \text{ form the Bute Not Between \$\frac{4}{12-Apr-1960}\, \frac{1}{12} \text{ form the Bute Not Between \$\frac{1}{12} \text{ form the Bute Not

AND #12-Apr-2014 #1 =) Since between acts differently on dutabase it.

to dutabase it is best unt to use it. so above quen con also be written on.

SQL 7 Scheet # from Employee where Bix Not (Birty Bate >= 1 12-Apr-1968

AND Birthdate <= 12-Apr-2014); Some dutabases like US Access Regiment to hure \$ Dare \$ sefore end a dute.

Hemerer, Oracle, MySQL, MSXQL doesn't regrire

mer A

MysQL, MSSQL, Oracle.

Concert comments are written (-II) two
wythens. and one space.

Mythens. ample of one Une comment of

MSSQL, MysQL, Oracle

MSSQL, MysQL, Oracle

/* Multitine curments */

My Eincorrect because there is no ID field in

(F) incorrect same reason.

(G) in correct, Ctable doen't have BID.

Select Department ID, Avg (salary), Department None.

From Person X

Group By Department ID, Department None,

teming Avs (salary) > 5000;

```
for unique column.
26 Select Distinct AOID from A
           ADID SO AND ADID <-2 AND
                AUTD > - 9 AND
                (AOID+AOID) = (AOID * AOID);
254 MYSQL
      Declare variable:
        Select Qsubstr = substring (chello', 1,3);
-- Qsubstr = hel
         Select @ substrict substring (hello', 2, 3);
           -- Osobsmins = ell z len.
     MSSQL select var 2 substring ('hello', 2,3);
                       vor a substring (field, starting =1, len)
      Par this question Answer:
     MSSQL) Select substring contat (substring (Awertion, 2,2),
```

from A;

Oracle

Select Concar (Alocation substring (Alocation, 2,2), BID) AS Display From A;

Select Concat (substring (Awartion, 2,2), BID) AS MySQL /MSSQL - same display FROM A;

Advance 60 Hanks

- (b) join } innerjoin and join represents
 (c) innerjoin } some thing.
- (2) (i) L Not R
- (f) left outer join (something (3) (e) left 1000
- (b) Right over join } some thing. (4) (9) Right John
- (5)(i) R NOT L
- (6) full outer join
- (7) (9) intersect AND also full outer join.

2

Join always make cartesian product.

{a,b} x {c,d,e} = {(a,c), (a,d), (a,e), (b,e)}

Select ALD, B. AID, BID ANNE, BNne.

(i) full outer join

from A full outer join B on (A.AID = B.AID)

Full outter join gives both side tables all rows and where mutanel cell is mull.

AEO AI	DIBID	[Awne]
2 3	N N N	A1 A2 A3 A4

	BID Borne
	[B1 B2
X	2 33
	4 B9
	5 (3)

MOT exact regoverant office	A10	BID	ANANC AI AI AI	BNne B1 B2 B3 B4 B5	3 4 5	
	2 2 2 2 3	N	^ ~	2 BS		

So whene n
we use

A. AID = B.AID

Only Red ones
Selected like
this.

when
Full join
It includes
all the rows
from both
tribles at
Leart onecl.

80 for Follows

(1) Ammer is result 3 (C)

Result I has all Btable but not A And other do not stais fig.

(2) left outs outer on left jin are Same thing.

left outer means all rows from table ON left must appear, based on the given condition.

=) FROM A LEFT JOIN B (condition) Right-

So the result to so should be Here, in left table BID = {1} So so only BID = 1 from Btable should be included. and since left join all rows from A table should be there. Finely the renelt settor should be (B)

or Result 2

Left join

Right outer/Right join some thing. A. AID 2 R. BAID Right so all rows from B table should be there. IN BHOLE AID = 31,2,37. So the result schoold only centrin dates from AID = 1,2,3. and Ahrs will be Frully the Result is Result I or (A). Right son Answered in (ii) (V)(vt) Answered in (iii) (VI) Inner Join / Join / where In inner join only shows both sides matched clearly the result is 4 or D. inner Join.



select UPPER, (Field); Maks Char Upper

Calculating Date difference:

To get only & Dute different there is function DateDiff (strutt Date, End Dute) -- result in days

Another one is

Cine Stamp Diff (which ONR, start Date, End Date)

Duy second year Minite

het current dute & fine = Now ();

Fraction.

Cret current dute time = CretDate () MSSQL

Dute Diff (whichowe, Start Date, Rul Bute) =) equivalent to MySQL TimeSturp Diff

Concert (Replace (UPPER (FirstName), (UL', []), [],

LesstName, '[]', ([](',

Date Diff (year, Birthdake, Get Dake()), '[]', ')'),

Date Diff (year, BirthDate, Get Dake()) As Age

FROM Employee

Where Age >= 20

ORDER BY Age Desc;

(a) syntage error on abo. Rating R.

(b) correct.

(c) like doesn't satisfier.

(d) Atlandare and 25 is corns.

(2) AuthorNome sound be in like.

- Select Kenp (Rate) missing ORDER syntup is aring
- IN query doesn't have maths, Court (Ather ID) should be 2 mt 3.
 - Group by book None missing
- S. subject or should be in a porenthusis. Cont (Auteur ID) > 2 missing.
- Sytup Correct and Satisfies all the condition. In this case left join or join will not (d)
- give different result because find results will be determinate by the where and Even through left gives all the books having query.

but where and having selects only specific ones.

an (d)Cerract, (2)

(6) Since there is a Not, et will give the baric inner your result.

Always take the small field to de termine result. ?

For Correct SQL: Select A. AID, R. RID, Anne, Blochen

From A join Bow (A. BID 2 B. BID)

from A join Bow (A. BID 2 B. BID)

the

If alian is declared then in the

Join condition it must be called with their

alian.

Inner Join (A. MID = B. BID)

page 7, Quen 2, Result 4 (D).

8/1 Correct SQL: Select A.AID, B.AID, AUNE, BNNE
form A Join B ON (A.BIO <> B.BID)

			La Line	
AID 1	A1D 1	ANNE	BNue	- described
+	Ax+	A	B2	full orther join.
1	2	AI		full orthers.
	2	AI	33	
,	3	Aı	135	
2		A2	BI	
		A2	134	
2	3	(A2	135	AXB Result
3	1	A3	BI	witant
3	2	1 A3	B2	matching.
3	2	A3	133	
3		1 A3	By	
4	1	A-G	1, 131	
9	2	Ay	B2	
4	1 92	- Ay	03	
4	1	Ay	By	
4	3	Ay	BS	

Correct SQL: Select A.AID, B.AID, Awne, BNme. form A John B ON (A.BID < > B. BID) Query will return result exactly some as 'Not will reverse it. two months ages noven't moved have 4 auturs. Acture ande one brok in panst Book Name, Author Name, Published Date, Cant (Pate) as SQL: Select from book b. join Author A ON (A. Book ID = B. book ID) Join [Rating] R ON (R. bookin 26. brokin) Where Date Diff (month, published Date, Get Date()) = 2 IN (Select Author 20 fm Author bookID < 7 b. book10) AND A. AUTHOR ID Crossp by brokNome, AuteurNome, Arteur ID count (Autom ID) 74 AND SUM (R.Rate) 20;

Only based on given Data in table A

A. Some

B. Some

C. Same

D. NOT Some.

E. Not Some

F. Not Some, may retur more than 2.

Cerse 2

G. Some

H. Same.

AOTO dese top 123 ADD ASE top (21

No Syntage Error Burel on MSSQL.

Case 1