

SSD7

390222Z10

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2020 1

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3 1 2 3 4

1 DBMS

2.

- SQL

1. - student_data 10M student_log 5M student_xxxxxx xxxxxx 1801 12

2. S

Sno	Sname	Ssex	Sage	sdept
3	C			

Cno	Cname	Cpno	ccredit
4	- SC		

Sno	Cno	grade
5	S C SC SQL .SQL	4
6	S “ ” “ ”	
7	S “ ”	
8		

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3.

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2 1 2 3 4
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3 1 2 3 4

1. SQL SQL
2. UPDATE/INSERT/DELETE

S C SC

- 1
- 2 “CS”
- 3 “CS” 19 21
- 4 “CS”
- 5
- 6 “CS”
- 7
- 8
- 9
- 10
- 11
- 12 85
- 13 “1” “2”
- 14 “ ” 60
- 15
- 16
- 17 3
- 18 80
- 19 80

S C SC

- 1 S C SC
- 2 S C SC
- 3 S C SC / Primary Key Foreign Key
- 4 S C SC
- 5 SC “2007001005” “c123”

```

6
7  "CS"
8  "CS"
9  "S1"
10 "S1"      "S001"
11      80      S——GRADE SNO AVG_GRADE
12      "  "      10%
13  "C2"

```

```

1  DBMS
2  -
3      SQL      SQL

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Sqlsever

```

1. student      '001'      2006      '003'      20      '001'
      -      :
use edudb—— edudb
go
UPDATE student——student edudb
SET classno='001'

```

WHERE spno='001' AND entime='2006' or spno='003' and (2008-birthday)<20

2. student 20 '003'

- :

use edudb

go

DELETE FROM student

WHERE (2008-birthday)<20 and spno='003'

3. student 20180302 19880808 '001'

'01' '003' 20070901

- :

INSERT INTO student (sno,sname,sex,birthday,dno,spno,classno,entime)

values ('200700302',' ',' ','880808','001','001','003','20070901')

char 10

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1 1 2 3

3 1 2 3 4

1. SQL

2. SQL

3. SQL

4 SQL

S , C , SC

1 "SSCH" V_SSCH

```

2 S C SC          V_S_C_G;
3          V_NUM_AVG;
4          V_AVG_S_G  ;
5      90
6  V_SSCH      ('S12','YAN XI',19, 'SSCH')
7  V_SSCH      "S12"
8  V_SSCH      "S12"  " "
      SQL          check constrain
1.          ;      S      SC      S Sno      SC Sno ;      <30
2.  S      100 1000
      S

```

Sno	Sname	Ssex	Sage	sdept
<hr/>				
C				

Cno	Cname	Cpno	ccredit
<hr/>			

- SC

Sno	Cno	grade
<hr/>		

3

1. -

2. SQL SQL

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2

3.

1

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2 1 2 3 4

1 1 2 3

3 1 2 3 4

SQL

1

2 “ ” “M”

3

DBMS

1

2 “ ” “M”

3

1

2

1 /* employee */

emp_no	char(5)	Not null	primary key
emp_name	char(10)		
sex	char(1)		
dept	char(4)		
title	char(6)		
date_hired	datetime		
birthday	datetime		
salary	int		
addr	char(50)	null	

2 /* customer */

cust_id	char(5)	Not null	primary key
cust_name	char(20)		
addr	char(40)		
tel_no	char(10)		
zip	char(6)		

3 /* sales */

order_no	int	Not null	primary key
cust_id	char(5)		
sale_id	char(5)		
tot_amt	numeric(9,2)		
order_date	datetime		
ship_date	datetime		
invoice_no	char(10)		

4 /* sale_item */

order_no	int	Not null,	primary key
prod_id	char(5)	Not null,	primary key
qty	int		
unit_price	numeric(7,2)		
order_date	datetime	null	

5 /* product */

pro_id	char(5)	Not null	primary key
prod_name	char(20)	Not null	

1

create procedure sp_empname @E_name varchar(10) as

select a.emp_name,a.dept,b.tot_amt

from employee a inner join sales b

on a.emp_no=b.sale_id

where a.emp_name like @E_name

go

exec sp_empname ' %'

2. 'E0014'

create procedure sp_saletot @E_no char(5),@p_tot int output as

select @p_tot=sum(tot_amt)

from sales

where sale_id=@E_no

go

declare @tot_amt int

exec sp_saletot E0014, @tot_amt output

select @tot_amt

5

4

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1 1 2 3

3 1 2 3 4

SQL

1. "dbo"
2. DELETE
3. UPDATE
- 4.

1 DBMS

2 SQL

SQL

1. "dbo"
2. DELETE
3. UPDATE
- 4.

1

2

employee

emp_no	char(5)	Not null	primary key
emp_name	char(10)	Not null	
sex	char(1)	Not null	
dept	char(4)	Not null	
title	char(6)	Not null	
date_hired	datetime	Not null	
birthday	datetime	Null	
salary	int	Not null	
addr	char(50)	null	

sale_item

order_no	int	Not null,	primary key
prod_id	char(5)	Not null,	primary key
qty	int	Not null	
unit_price	numeric(7,2)	Not null	
order_date	datetime	null	

```

1
create trigger tr_emp
on employee for delete as
declare @row_cnt int
select @row_cnt=count(*) from deleted
if @row_cnt>1
begin
print '          !!!'
rollback transaction
end
delete from employee
where sex=' ' /*      0*/
2
(1)
    DECLARE < > CURSOR FOR <SELECT >
(2)
    open < >
(3)
    Fetch < > Into < >
declare cur_emp_gender scroll cursor for—
select emp_no emp_name
from employee
where sex='F'
order by emp_no
open cur_emp_gender—
declare @no,@name
fetch next from cur_emp_gender into @no,@name—
while(@@FETCH_STATUS=0)
begin
select @no,@name
fetch next from cur_emp_gender into @no,@namer

```

```
end
close cur_emp_gender—
deallocate cur_emp_gender—
1
```

SSD7

1 XXXXXX

2 SQL Server 2005

0. SQL server Sql server 2005

1. SQL sever 2005 express
2. “ ”
- 3.
4. “ ” “ ”
5. “ ” sql “ ” “ ” sql

T-SQL

CREATE DATABASE csu_tcg

ON PRIMARY

(**NAME** = 'csu-tcg',

FILENAME = 'e:\MSSQL\DATA\csu-tcg.mdf' , --

SIZE = 3072KB , -- M K

FILEGROWTH = 1024KB)

LOG ON

(**NAME** = N'csu-tcg_log',

FILENAME = N'c:\Program Files\Microsoft SQL Server\MSSQL.1\MSSQL\DATA\csu-tcg_log.ldf' ,

SIZE = 1MB ,

FILEGROWTH = 10%)

GO /*go SQL SQL Server Transact-SQL
 SQL Server SQL Server Transact-SQL SQL
 Server GO */