

Internet - database 数学作业纸

16.1.4

(科目: shi)

班级:

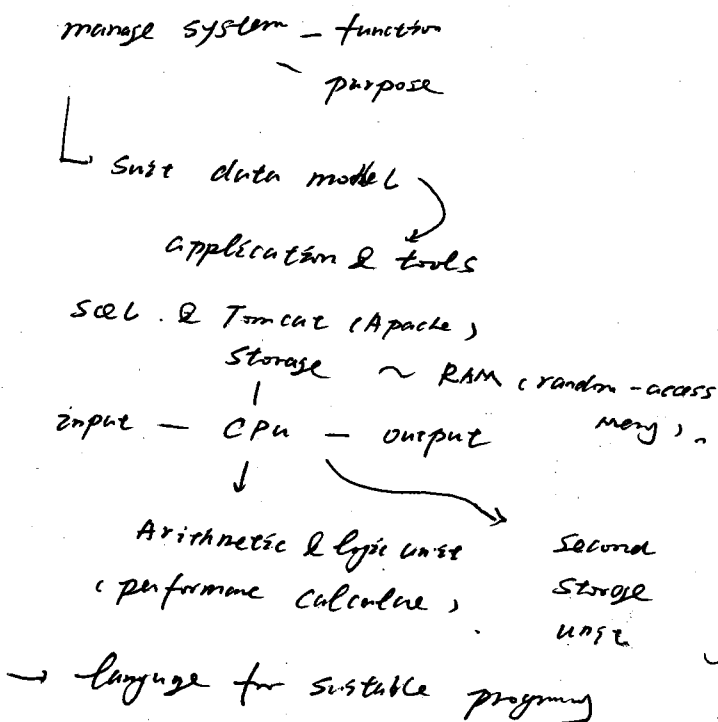
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编号:

第

页

DBMS



Machine . Assembly . high-level

→ ARPA (advanced Research Projects Agency + DOD)

(TCP & . network access - menu)

JSP . ASP . NET . Java - / script . PHP

2. management DBMS

Schema
data

Schema \Leftrightarrow database
user (inner connection)

Database (SQL 2005 - server)

↓ Schema

↓ Table

(User control) (R/W)

Select current - user

Unit schema user

shihany . table

① dbo ② guest

③ sys. ~ ④ INFORMATION SCHEMA

MySQL 5.02+

Create table ↓

Create database = create schema

→ Application programmer

↓ end user

database administrator (DBA)

DBMS → ① External
② Conceptual
③ Internal

PSL - data sub-language

A. data definition
B. data manipulation

数学作业纸

(科目:)

542

班级:

姓名:

编号:

第

页

concept of database design

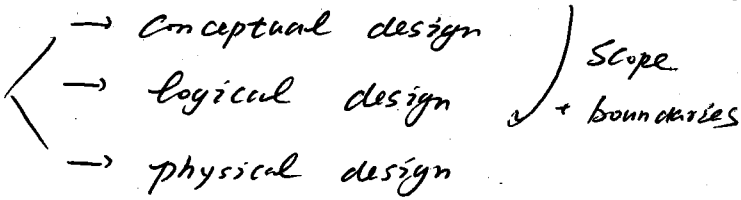


table name (primary key, Attribute n, foreign key)

primary key ~

~ collection & analyse
model mapping

→ Entity & Relationship ~ normalisation

ER (entity relationship) modeling

Entity & relationship & Attribute & Domain
(set) (set)



primary-key

(unique) + Not Null

foreign-key

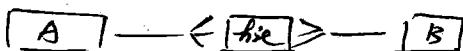
(Foreign key (Id-s) References (Id-s))

Drop a foreign-key Id-s

→ Cardinality (1:1) (1:n) (m:n)



↓



数学作业纸

(科目:)

班级:

姓名:

编号:

第 543 页

Normalization

1. 2. 3 ~ form form

↳ reduce data redundancies
eliminate data anomalies

Integrity & redundancy

Anomalies - update
Addition
Deletion

1 NF → 2NF → 3NF

make → easily store (entry-name)

Atomic ① atomic

② + primary key

repeating data must be in own table (2NF)

Create new table

fully functionally dependent ~ FK
(no transitive dependencies)

price

orderID, customerID, proID, price, quantity, Total

price × quantity = total

1. orderID, customerID, proID, quantity

2. proID, quantity, price

~ database - sql

create database (if not exist) data-name;

show databases;

use database-name;

Drop Database (if exists) database-name;

MyISAM x FK ~ select

InnoDB

Berkeley DB (BDB)

MERGE

HEAP x HUB / TEXT ~

~ drop & update

"set table-type = ~ ~"

set the-price = "+00.00")

Insert into table-name value (~ ~

Select t1.

from table-name

the-table (default) ~ ~

Create table - table-name (

employee-ID int (11) not null

~ ~ ~

~ ~ ~

PRIMARY key (employee-ID)

) type = table-type

normalization

SQL XAMPP 3

show tables

described table - name ;

Alter [Ignore] Table tablename { ~ }

Alter take take-naze
 - add ~
 - drop ~ / primary key
 - change ~

Drop take (if exists) take-rare;

Truncate tale tale - none :

Select * from table-name;

where $(x)ID = 5$; coming in + (好)

Each distinct x from table \rightarrow Column = A & Column = B,

- + ordered by (Disc) // group by
- + limit 5, 10 ;

+ Inner $X = T$: 内胶接

left - join / right . 左 / 右 连接

SUM. AVG. MAX. MIN

Insert into table-name

Select \neq From \sim where $\text{cong} = x''$

set $(\sim \sim)$ where condition

be late From the - now

were on an

Yarchon ~ decimal or date

INT = $\begin{matrix} \text{tiny} & 3 \\ \text{small} & 5 \\ \text{medium} & 8 \end{matrix}$ $\begin{matrix} \text{int} & 12 \\ \text{big} & 20 \end{matrix}$

Advocacy - 596

CREATE procedure name ()

Begin

select ~ ~ ~

Бна

$\langle \text{call name } () ; \rangle$

Recler t.b. ~ INT defo.

Set $t_{\text{cr}} \approx 10$;

↓ IF case

Worse drop

Repair trip.

Substring (str, pos)

1 str From Pos For len 15

Selet saksy "nysoe sany" -p

Concat (str, str)

up close ~ 5h

数学作业纸

(科目:)

班级:

姓名:

编号:

第 55 页

```

<html> (xmlns = "~")
  <head>
    <title> ~ </title>
  </head>
  <body>
  </body>
</html>

```

Element

<h1> ~ </h1>

<p> </p>

 ~

Q copy ©

 ~~xx~~ _{~²}

```

table *
  <table border = "1" width = "40%">
    <caption> Band </caption>
    <thead>
      <tr>
        <th> </th>
        <th> </th>
      </tr>
    </thead>
    <tfoot>
      <tr>
        <th> </th>
        <th> </th>
      </tr>
    </tfoot>
    <tbody>
      <tr>
        <th> </th>
        <th> </th>
      </tr>
      <tr>
        <th> </th>
        <th> </th>
      </tr>
    </tbody>
  </table>

```


un ordered - list

order - list

</table>

<th rowspan = "2">

</th>

<th colspan = "4" valign = "top">

html

数学作业纸

(科目:)

班级:

姓名:

编号:

第

56

页

< form method = "post"

action = "/cgi-bin/final">

< input type = "hidden" name = "Subject"

value = "Feedback Form" />

< P> < Label> name

< input type = "name" type = "text"

size = "25" maxlength = "30" />

< / Label>

< / P>

< P>

< input type = "submit" value = "sub" />

< input type = "reset" value = "reset" />

< / P>

< / form>

< select name = " ~ ">

< option selected = "selected"> sh < /option>

< option> ~ < /option> 下拉菜单

< /select>

< h id = "features"> ~ < /h>

< p> < a href = "# buy"> go < /a> < p>

< p> < a href = "# features"> go to feature < /a> < p>

< h id = " buy"> go go < /h>

< input type = "password"

/ = "checkbox" >

☐ ~ ☑

/ = "radio" ☐

< textarea name = " comment"

rows = "4" cols = "10">

< /textarea>

数 学 作 业 纸

(科目:)

班级:

姓名:

编号:

第 517 页

```

<map id="picture">
  <area href="form.html"
    shape="rect"/>"poly"~
    coords="x,y,z..."
    /# ey: circle: x,y,r
        polygon: x1,y1,x2,y2"~
        rectangle: "x,y,x2,y2"~
    alt="value" /#
</map>

```

```

<img ... usemap="#picture">

```

```

Element + <em>(strong)

```

```

Frameset ~ element

```

```

<frameset al="110">

```

```

  <frame name="leftframe" src="~.html">

```

```

  <frame name="main" src="~.html">

```

```

</no frame>

```

```

  <body>

```

```

  </body>

```

```

</no frame>

```

```

</frameset>

```

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(科目:)

班级:

姓名:

编号:

第 58 页

CSS

① inline styles

```
<P style = "font-size: 20pt";
color = #00FF00" > OK </P>
```

② embedded style

<head>

<style type = "text/css">

```
em { background-color: ~;
color: white }
```

```
P { }
```

```
h1 { }
```

```
• special { color: ~ }
```

</style>

⇒ <h1 class = "special"> </h1>

<p class = "special"> </p>

③ Conflicting (同上)

```
a: nodec { ~ }
```

```
a: hover { }
```

```
li em { }
```

```
ul { }
```

 ~ X

④ link external style

<link rel = "stylesheet"

type = "text/css"

href = "styles.css" | >

```
style.css [css
(file)]
```

```
html
```

<img src = ~ style = "position

: absolute / left ~ ;

top: xPx ; left: xPx ;

z-index: n ">

span CSS 申明后直接 ✓

 ~

• sub { position: relative from-see: ~ }

span { color: red ; }

{ Background

body - image: url (logo.png)

- position: right

- repeat: no-repeat

- attachment: fixed }

div style = " ~ ~ ~ "

```
> external CSS
```


数学作业纸

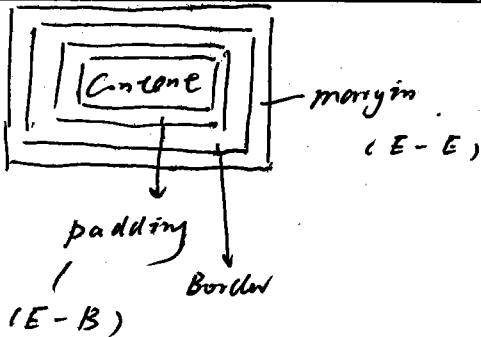
(科目:)

班级:

姓名:

编号:

第 549 页



first outer

<div style="border-style: solid"> </div>

double groove

~.note { front-size: 4px }

< <p class="note"> ~ ~ </p>

阮光敏