

-- Create Date : 2018-10-01T16:14:20 --

Schema : employees

Tables

name	comments
departments	
dept_emp	
dept_manager	
employees	
salaries	
titles	

Views

name
current_dept_emp
dept_emp_latest_date

Functions

name	comments
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Procedures

name	comments
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departments

Comment :
Engine : InnoDB
Collation : utf8mb4_unicode_ci

Columns

name	type	null	default	extra	comment
dept_no	char(4)	NO			
dept_name	varchar(40)	NO			

Indexs

name	columns	isnull
	dept_name	true
PRIMARY	dept_no	true

Create Script

```
CREATE TABLE `departments` (  
  `dept_no` char(4) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `dept_name` varchar(40) COLLATE utf8mb4_unicode_ci NOT NULL,  
  PRIMARY KEY (`dept_no`),  
  UNIQUE KEY `dept_name` (`dept_name`)  
) ENGINE=InnoDB COLLATE=utf8mb4_unicode_ci
```

[goto table list...](#)

dept_emp

Comment :
Engine : InnoDB
Collation : utf8mb4_unicode_ci

Columns

name	type	null	default	extra	comment
emp_no	int(11)	NO			
dept_no	char(4)	NO			
from_date	date	NO			
to_date	date	NO			

Indexes

name	columns	isnull
PRIMARY	emp_no,dept_no	true
dept_no	dept_no	false

Create Script

```
CREATE TABLE `dept_emp` (  
  `emp_no` int(11) NOT NULL,  
  `dept_no` char(4) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `from_date` date NOT NULL,  
  `to_date` date NOT NULL,  
  PRIMARY KEY (`emp_no`,`dept_no`),  
  KEY `dept_no` (`dept_no`),  
  CONSTRAINT `dept_emp_ibfk_1` FOREIGN KEY (`emp_no`) REFERENCES `employees`  
  (`emp_no`) ON DELETE CASCADE,  
  CONSTRAINT `dept_emp_ibfk_2` FOREIGN KEY (`dept_no`) REFERENCES `departments`  
  (`dept_no`) ON DELETE CASCADE  
) ENGINE=InnoDB COLLATE=utf8mb4_unicode_ci
```

[goto table list...](#)

dept_manager

Comment :

Engine : InnoDB

Collation : utf8mb4_unicode_ci

Columns

name	type	null	default	extra	comment
emp_no	int(11)	NO			
dept_no	char(4)	NO			
from_date	date	NO			
to_date	date	NO			

Indexes

name	columns	isnull
PRIMARY	emp_no,dept_no	true
dept_no	dept_no	false

Create Script

```
CREATE TABLE `dept_manager` (  
  `emp_no` int(11) NOT NULL,  
  `dept_no` char(4) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `from_date` date NOT NULL,  
  `to_date` date NOT NULL,  
  PRIMARY KEY (`emp_no`,`dept_no`),  
  KEY `dept_no` (`dept_no`),  
  CONSTRAINT `dept_manager_ibfk_1` FOREIGN KEY (`emp_no`) REFERENCES `employees`  
  (`emp_no`) ON DELETE CASCADE,  
  CONSTRAINT `dept_manager_ibfk_2` FOREIGN KEY (`dept_no`) REFERENCES  
  `departments` (`dept_no`) ON DELETE CASCADE  
  ) ENGINE=InnoDB COLLATE=utf8mb4_unicode_ci
```

[goto table list...](#)

employees

Comment :

Engine : InnoDB

Collation : utf8mb4_unicode_ci

Columns

name	type	null	default	extra	comment
emp_no	int(11)	NO			
birth_date	date	NO			
first_name	varchar(14)	NO			
last_name	varchar(16)	NO			
gender	enum('M','F')	NO			
hire_date	date	NO			

Indexes

name	columns	isnull
PRIMARY	emp_no	true

Create Script

```
CREATE TABLE `employees` (  
  `emp_no` int(11) NOT NULL,  
  `birth_date` date NOT NULL,  
  `first_name` varchar(14) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `last_name` varchar(16) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `gender` enum('M','F') COLLATE utf8mb4_unicode_ci NOT NULL,  
  `hire_date` date NOT NULL,  
  PRIMARY KEY (`emp_no`)  
) ENGINE=InnoDB COLLATE=utf8mb4_unicode_ci
```

[goto table list...](#)

salaries

Comment :
Engine : InnoDB
Collation : utf8mb4_unicode_ci

Columns

name	type	null	default	extra	comment
emp_no	int(11)	NO			
salary	int(11)	NO			
from_date	date	NO			
to_date	date	NO			

Indexes

name	columns	isnull
PRIMARY	emp_no,from_date	true

Create Script

```
CREATE TABLE `salaries` (  
  `emp_no` int(11) NOT NULL,  
  `salary` int(11) NOT NULL,  
  `from_date` date NOT NULL,  
  `to_date` date NOT NULL,  
  PRIMARY KEY (`emp_no`,`from_date`),  
  CONSTRAINT `salaries_ibfk_1` FOREIGN KEY (`emp_no`) REFERENCES `employees`  
  (`emp_no`) ON DELETE CASCADE  
) ENGINE=InnoDB COLLATE=utf8mb4_unicode_ci
```

[goto table list...](#)

titles

Comment :
Engine : InnoDB
Collation : utf8mb4_unicode_ci

Columns

name	type	null	default	extra	comment
emp_no	int(11)	NO			
title	varchar(50)	NO			
from_date	date	NO			
to_date	date	YES			

Indexes

name	columns	isnull
PRIMARY	emp_no,title,from_date	true

Create Script

```
CREATE TABLE `titles` (  
  `emp_no` int(11) NOT NULL,  
  `title` varchar(50) COLLATE utf8mb4_unicode_ci NOT NULL,  
  `from_date` date NOT NULL,  
  `to_date` date DEFAULT NULL,  
  PRIMARY KEY (`emp_no`,`title`,`from_date`),  
  CONSTRAINT `titles_ibfk_1` FOREIGN KEY (`emp_no`) REFERENCES `employees`  
  (`emp_no`) ON DELETE CASCADE  
) ENGINE=InnoDB COLLATE=utf8mb4_unicode_ci
```

[goto table list...](#)

current_dept_emp

Create Script

```
CREATE VIEW `current_dept_emp` AS select `l`.`emp_no` AS `emp_no`,`d`.`dept_no` AS  
`dept_no`,`l`.`from_date` AS `from_date`,`l`.`to_date` AS `to_date` from  
(`dept_emp` `d` join `dept_emp_latest_date` `l` on(((`d`.`emp_no` = `l`.`emp_no`)  
and (`d`.`from_date` = `l`.`from_date`) and (`l`.`to_date` = `d`.`to_date`))))
```

[goto view list...](#)

dept_emp_latest_date

Create Script

```
CREATE VIEW `dept_emp_latest_date` AS select `dept_emp`.`emp_no` AS  
`emp_no`,max(`dept_emp`.`from_date`) AS `from_date`,max(`dept_emp`.`to_date`) AS  
`to_date` from `dept_emp` group by `dept_emp`.`emp_no`
```

[goto view list...](#)