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

Procedures

name	comments

departments

> Comment :
> Engine : InnoDB
> Collation : utf8_general_ci

Columns

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

Indexs

name	columns	isnull
dept_name	dept_name	true
PRIMARY	dept_no	true

Create Script

```
CREATE TABLE `departments` (
  `dept_no` char(4) NOT NULL,
  `dept_name` varchar(40) NOT NULL,
  PRIMARY KEY (`dept_no`),
  UNIQUE KEY `dept_name` (`dept_name`)
) DEFAULT CHARSET=utf8
```

dept_emp

> Comment :
> Engine : InnoDB
> Collation : utf8_general_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			

Indexs

name	columns	isnull
PRIMARY	emp_no,dept_no	true
dept_no	dept_no	false

Create Script

```sql
CREATE TABLE `dept_emp` (
  `emp_no` int(11) NOT NULL,
  `dept_no` char(4) 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
) DEFAULT CHARSET=utf8
```

goto table list...

dept_manager

> Comment :
> Engine : InnoDB
> Collation : utf8_general_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			

Indexs

name	columns	isnull
PRIMARY	emp_no,dept_no	true
dept_no	dept_no	false

Create Script

```sql
CREATE TABLE `dept_manager` (
  `emp_no` int(11) NOT NULL,
  `dept_no` char(4) 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
) DEFAULT CHARSET=utf8
```

employees

> Comment :
> Engine : InnoDB
> Collation : utf8_general_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			

Indexs

name	columns	isnull
PRIMARY	emp_no	true

Create Script

```sql
CREATE TABLE `employees` (
  `emp_no` int(11) NOT NULL,
  `birth_date` date NOT NULL,
  `first_name` varchar(14) NOT NULL,
  `last_name` varchar(16) NOT NULL,
  `gender` enum('M','F') NOT NULL,
  `hire_date` date NOT NULL,
  PRIMARY KEY (`emp_no`)
) DEFAULT CHARSET=utf8
```

goto table list...

salaries

> Comment :
> Engine : InnoDB
> Collation : utf8_general_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			

Indexs

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
) DEFAULT CHARSET=utf8
```

goto table list...

titles

> Comment :
> Engine : InnoDB
> Collation : utf8_general_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			

Indexs

name	columns	isnull
PRIMARY	emp_no,title,from_date	true

Create Script

```
CREATE TABLE `titles` (
  `emp_no` int(11) NOT NULL,
  `title` varchar(50) 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
) DEFAULT CHARSET=utf8
```

current_dept_emp

Create Script

```sql
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`))))
```

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`
```