



Функции

Функции - скалярни

```
CREATE FUNCTION deptname(p_empid VARCHAR(6))
RETURNS VARCHAR(30)
SPECIFIC deptname
BEGIN ATOMIC
    DECLARE v_department_name VARCHAR(30);
    DECLARE v_err VARCHAR(70);
    SET v_department_name = (
        SELECT d.deptname FROM department d, employee e
        WHERE e.workdept=d.deptno AND e.empno= p_empid);
    SET v_err = 'Error: employee ' || p_empid || ' was not found';
    IF v_department_name IS NULL THEN
        SIGNAL SQLSTATE '80000' SET MESSAGE_TEXT=v_err;
    END IF;
    RETURN v_department_name;
END
```

Функции - извикване

```
▶ SELECT DEPTNAME ( '000010' ) FROM SYSIBM.SYSDUMMY1  
  
▶ VALUES DEPTNAME ( '000010' )
```

Функции - таблични

```
CREATE FUNCTION getEnumEmployee(p_dept VARCHAR(3))  
RETURNS TABLE  
    (empno CHAR(6),  
     lastname VARCHAR(15),  
     firstnme VARCHAR(12))  
SPECIFIC getEnumEmployee  
RETURN  
    SELECT e.empno, e.lastname, e.firstnme  
    FROM employee e  
    WHERE e.workdept=p_dept
```

Функции - извикване

```
SELECT * FROM
```

```
TABLE (getEnumEmployee('E01')) T
```

TABLE() function

alias