

Stored Procedure – PSM Syntax

VARIABLES

```
DECLARE varname DATATYPE;  
DECLARE varname DATATYPE DEFAULT init_value;  
SET varname = new_value;  
SELECT new_value INTO varname;  
SELECT expr_or_col INTO varname FROM table_name;
```

PARAMETERS

```
CREATE PROCEDURE sp_name(PARAMTYPE p1 DATATYPE)  
BEGIN  
    ...  
END;  
  
-- IN param: Initialized by calling program.  
-- OUT param: Initialized by called procedure.  
-- INOUT param: Initialized by calling program and  
-- modified by called procedure  
-- OUT & INOUT param declared as session variables.  
  
CREATE PROCEDURE sp_name(OUT p1 INT)  
BEGIN  
    SELECT 1 INTO p1;  
END;  
  
SET @res = 0;  
CALL sp_name(@res);  
SELECT @res;
```

IF-ELSE

```
IF condition THEN  
    body;  
END IF;  
-----  
IF condition THEN  
    if-body;  
ELSE  
    else-body;  
END IF;  
-----  
IF condition THEN  
    if1-body;  
ELSE  
    IF condition THEN  
        if2-body;  
    ELSE  
        else2-body;  
    END IF;  
END IF;  
-----  
IF condition THEN  
    if1-body;  
ELSEIF condition THEN  
    if2-body;  
ELSE  
    else-body;  
END IF;
```

LOOPS

```
WHILE condition DO  
    body;  
END WHILE;  
-----  
REPEAT  
    body;  
UNTIL condition  
END REPEAT;  
-----  
label: LOOP  
IF condition THEN  
    ...  
    LEAVE label;  
END IF;  
...  
END LOOP;
```

CASE-WHEN

```
CASE  
WHEN condition THEN  
    body;  
WHEN condition THEN  
    body;  
ELSE  
    body;  
END CASE;
```

SHOW PROCEDURE

```
SHOW PROCEDURE STATUS  
LIKE 'sp_name';  
  
SHOW CREATE PROCEDURE sp_name;
```

DROP PROCEDURE

```
DROP PROCEDURE  
IF EXISTS sp_name;
```

