

# MySQL urlencode 函数、urldecode 函数、multiurldecode 函数

## urlencode 函数

```
DELIMITER ;

DROP FUNCTION IF EXISTS urlencode;

DELIMITER |

CREATE FUNCTION urlencode (s VARCHAR(4096)) RETURNS VARCHAR(4096)
DETERMINISTIC
CONTAINS SQL
BEGIN
    DECLARE c VARCHAR(4096) DEFAULT '';
    DECLARE pointer INT DEFAULT 1;
    DECLARE s2 VARCHAR(4096) DEFAULT '';

    IF ISNULL(s) THEN
        RETURN NULL;
    ELSE
        SET s2 = '';
        WHILE pointer <= length(s) DO
            SET c = MID(s,pointer,1);
            IF c = '' THEN
                SET c = '+';
            ELSEIF NOT (ASCII(c) BETWEEN 48 AND 57 OR
                ASCII(c) BETWEEN 65 AND 90 OR
                ASCII(c) BETWEEN 97 AND 122) THEN
                SET c = concat("%",LPAD(CONV(ASCII(c),10,16),2,0));
            END IF;
            SET s2 = CONCAT(s2,c);
            SET pointer = pointer + 1;
        END while;
    END IF;
    RETURN s2;
END;
|
DELIMITER ;
```

## urldecode 函数

```
DELIMITER ;

DROP FUNCTION IF EXISTS urldecode;

DELIMITER |

CREATE FUNCTION urldecode (s VARCHAR(4096)) RETURNS VARCHAR(4096)
DETERMINISTIC
CONTAINS SQL
BEGIN
    DECLARE c VARCHAR(4096) DEFAULT '';
    DECLARE pointer INT DEFAULT 1;
    DECLARE h CHAR(2);
    DECLARE h1 CHAR(1);
    DECLARE h2 CHAR(1);
    DECLARE s2 VARCHAR(4096) DEFAULT '';

    IF ISNULL(s) THEN
        RETURN NULL;
    ELSE
        SET s2 = '';

```

```

WHILE pointer <= LENGTH(s) DO
    SET c = MID(s,pointer,1);
    IF c = '+' THEN
        SET c = '';
    ELSEIF c = '%' AND pointer + 2 <= LENGTH(s) THEN
        SET h1 = LOWER(MID(s,pointer+1,1));
        SET h2 = LOWER(MID(s,pointer+2,1));
        IF (h1 BETWEEN '0' AND '9' OR h1 BETWEEN 'a' AND 'f')
            AND
            (h2 BETWEEN '0' AND '9' OR h2 BETWEEN 'a' AND 'f')
        THEN
            SET h = CONCAT(h1,h2);
            SET pointer = pointer + 2;
            SET c = CHAR(CONV(h,16,10));
        END IF;
    END IF;
    SET s2 = CONCAT(s2,c);
    SET pointer = pointer + 1;
END while;
END IF;
RETURN s2;
END;

|

DELIMITER ;

```

## multiurldecode 函数

```

DELIMITER ;

DROP FUNCTION IF EXISTS multiurldecode;

DELIMITER |

CREATE FUNCTION multiurldecode (s VARCHAR(4096)) RETURNS VARCHAR(4096)
DETERMINISTIC
CONTAINS SQL
BEGIN
    DECLARE pr VARCHAR(4096) DEFAULT '';
    IF ISNULL(s) THEN
        RETURN NULL;
    END IF;
    REPEAT
        SET pr = s;
        SELECT urldecode(s) INTO s;
    UNTIL pr = s END REPEAT;
    RETURN s;
END;

|

DELIMITER ;

```