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ESCOM-IPN

# Funciones

# Funciones

BASES DE DATOS

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## 1. Fechas

### 1.1. NOW()

```
Database changed
mysql> select NOW();
+-----+
| NOW() |
+-----+
| 2018-06-04 07:24:05 |
+-----+
1 row in set (0.01 sec)

mysql> select NOW() from Hombre;
+-----+
| NOW() |
+-----+
| 2018-06-04 07:24:14 |
| 2018-06-04 07:24:14 |
| 2018-06-04 07:24:14 |
| 2018-06-04 07:24:14 |
| 2018-06-04 07:24:14 |
| 2018-06-04 07:24:14 |
| 2018-06-04 07:24:14 |
| 2018-06-04 07:24:14 |
| 2018-06-04 07:24:14 |
| 2018-06-04 07:24:14 |
| 2018-06-04 07:24:14 |
+-----+
11 rows in set (0.05 sec)
```

### 1.2. SYSDATE()

```
mysql> select sysdate();
+-----+
| sysdate() |
+-----+
| 2018-06-04 07:26:02 |
+-----+
1 row in set (0.00 sec)

mysql> select sysdate() from Hombre;
+-----+
| sysdate() |
+-----+
| 2018-06-04 07:26:09 |
| 2018-06-04 07:26:09 |
| 2018-06-04 07:26:09 |
| 2018-06-04 07:26:09 |
| 2018-06-04 07:26:09 |
| 2018-06-04 07:26:09 |
| 2018-06-04 07:26:09 |
| 2018-06-04 07:26:09 |
| 2018-06-04 07:26:09 |
| 2018-06-04 07:26:09 |
| 2018-06-04 07:26:09 |
+-----+
11 rows in set (0.00 sec)
```

### 1.3. CURDATE()

```
mysql> select CURDATE();
+-----+
| CURDATE() |
+-----+
| 2018-06-04 |
+-----+
1 row in set (0.00 sec)

mysql> select CURDATE() from Hombre;
+-----+
| CURDATE() |
+-----+
| 2018-06-04 |
| 2018-06-04 |
| 2018-06-04 |
| 2018-06-04 |
| 2018-06-04 |
| 2018-06-04 |
| 2018-06-04 |
| 2018-06-04 |
| 2018-06-04 |
| 2018-06-04 |
| 2018-06-04 |
+-----+
11 rows in set (0.00 sec)
```

### 1.4. CURRENT\_DATE

```
mysql> select CURRENT_DATE();
+-----+
| CURRENT_DATE() |
+-----+
| 2018-06-04      |
+-----+
1 row in set (0.00 sec)

mysql> select CURRENT_DATE() from Hombre;
+-----+
| CURRENT_DATE() |
+-----+
| 2018-06-04      |
| 2018-06-04      |
| 2018-06-04      |
| 2018-06-04      |
| 2018-06-04      |
| 2018-06-04      |
| 2018-06-04      |
| 2018-06-04      |
| 2018-06-04      |
| 2018-06-04      |
| 2018-06-04      |
+-----+
11 rows in set (0.00 sec)
```

## 1.5. CURTIME()

```
mysql> select curtime();
+-----+
| curtime() |
+-----+
| 08:17:05 |
+-----+
1 row in set (0.01 sec)

mysql>
```

## 1.6. CURRENT\_TIME()

```
mysql> select CURRENT_TIME();
+-----+
| CURRENT_TIME() |
+-----+
| 07:27:49 |
+-----+
1 row in set (0.00 sec)

mysql> select CURRENT_TIME() from Hombre;
+-----+
| CURRENT_TIME() |
+-----+
| 07:27:55 |
| 07:27:55 |
| 07:27:55 |
| 07:27:55 |
| 07:27:55 |
| 07:27:55 |
| 07:27:55 |
| 07:27:55 |
| 07:27:55 |
| 07:27:55 |
| 07:27:55 |
+-----+
11 rows in set (0.00 sec)
```

## 1.7. YEAR(FECHA)

```
mysql> select year("2018-06-04");
+-----+
| year("2018-06-04") |
+-----+
|                2018 |
+-----+
1 row in set (0.44 sec)
```

## 1.8. MONTH(FECHA)

```
mysql> select month("2018-06-04");
+-----+
| month("2018-06-04") |
+-----+
|                6 |
+-----+
1 row in set (0.02 sec)
```

## 1.9. MONTHNAME(FECHA)

```
mysql> select monthname("2018-06-04");
+-----+
| monthname("2018-06-04") |
+-----+
| June                      |
+-----+
1 row in set (0.09 sec)
```

## 1.10. QUARTER(FECHA)

```
mysql> select quarter("2018-06-04");
+-----+
| quarter("2018-06-04") |
+-----+
|                2      |
+-----+
1 row in set (0.00 sec)
```



## 1.11. HOUR(HORA)

```
mysql> select hour("10:09:18");
+-----+
| hour("10:09:18") |
+-----+
|          10 |
+-----+
1 row in set (0.00 sec)

mysql> select hour("10:09");
+-----+
| hour("10:09") |
+-----+
|          10 |
+-----+
1 row in set (0.00 sec)
```

## 1.12. MINUTE(HORA)

```
mysql> select minute("10:09:18");
+-----+
| minute("10:09:18") |
+-----+
|          9 |
+-----+
1 row in set (0.00 sec)

mysql> select minute("10:09");
+-----+
| minute("10:09") |
+-----+
|          9 |
+-----+
1 row in set (0.00 sec)
```

### 1.13. SECOND(HORA)

```
mysql> select second("10:09:18");
+-----+
| second("10:09:18") |
+-----+
|          18         |
+-----+
1 row in set (0.00 sec)
```

### 1.14. DAYNAME(FECHA)

```
mysql> select dayname("2018-06-04");
+-----+
| dayname("2018-06-04") |
+-----+
| Monday                 |
+-----+
1 row in set (0.02 sec)
```

## 1.15. DAYOFMONTH(FECHA)

```
mysql> select dayofmonth("2018-06-04");
+-----+
| dayofmonth("2018-06-04") |
+-----+
| 4 |
+-----+
1 row in set (0.00 sec)
```

## 1.16. DAYOFYEAR(FECHA)

```
mysql> select dayofyear("2018-06-04");
+-----+
| dayofyear("2018-06-04") |
+-----+
| 155 |
+-----+
1 row in set (0.00 sec)
```

## 1.17. DAYOFWEEK(FECHA)

```
mysql> select dayofweek("2018-06-04");
+-----+
| dayofweek("2018-06-04") |
+-----+
|                2 |
+-----+
1 row in set (0.00 sec)
```

## 2. Cadenas

### 2.1. ASCII(CADENA)

```
mysql> select ascii("Hola Mundo");
+-----+
| ascii("Hola Mundo") |
+-----+
|                72 |
+-----+
1 row in set (0.02 sec)
```

## 2.2. CHAR(N)

```
mysql> select char(64);
+-----+
| char(64) |
+-----+
| @        |
+-----+
1 row in set (0.00 sec)
```

## 2.3. CHAR(N,M...)

```
mysql> select char(56,58,59);
+-----+
| char(56,58,59) |
+-----+
| 8;;            |
+-----+
1 row in set (0.00 sec)

mysql> select char(55,54,53);
+-----+
| char(55,54,53) |
+-----+
| 765            |
+-----+
1 row in set (0.00 sec)
```

## 2.4. BIN(N)

```
mysql> select bin(255);
+-----+
| bin(255) |
+-----+
| 11111111 |
+-----+
1 row in set (0.00 sec)
```

## 2.5. CONCAT(cadena1,cadena2)

```
mysql> select concat("Hola","Mundo");
+-----+
| concat("Hola","Mundo") |
+-----+
| HolaMundo               |
+-----+
1 row in set (0.01 sec)
```

## 2.6. HEX(N)

```
mysql> select hex(255);
+-----+
| hex(255) |
+-----+
| FF      |
+-----+
1 row in set (0.00 sec)
```

## 2.7. OCT(N)

```
mysql> select oct(255);
+-----+
| oct(255) |
+-----+
| 377      |
+-----+
1 row in set (0.00 sec)
```

## 2.8. LOWER(CADENA)

```
mysql> select lower("Hola Mundo");
+-----+
| lower("Hola Mundo") |
+-----+
| hola mundo          |
+-----+
1 row in set (0.00 sec)
```

## 2.9. LCASE(CADENA)

```
mysql> select lcase("Hola Mundo");
+-----+
| lcase("Hola Mundo") |
+-----+
| hola mundo          |
+-----+
1 row in set (0.00 sec)
```



## 2.10. UPPER(CADENA)

```
mysql> select upper("Hola Mundo");
+-----+
| upper("Hola Mundo") |
+-----+
| HOLA MUNDO          |
+-----+
1 row in set (0.00 sec)
```

## 2.11. UCASE(CADENA)

```
mysql> select ucase("Hola Mundo");
+-----+
| ucase("Hola Mundo") |
+-----+
| HOLA MUNDO          |
+-----+
1 row in set (0.01 sec)
```

## 2.12. LEFT(CADENA,N)

```
mysql> select left("Hola Mundo",3);
+-----+
| left("Hola Mundo",3) |
+-----+
| Hol                    |
+-----+
1 row in set (0.00 sec)
```

## 2.13. RIGHT(CADENA,N)

```
mysql> select right("Hola Mundo",3);
+-----+
| right("Hola Mundo",3) |
+-----+
| ndo                    |
+-----+
1 row in set (0.00 sec)
```

## 2.14. LENGTH(CADENA)

```
mysql> select length("Hola Mundo");
+-----+
| length("Hola Mundo") |
+-----+
|          10          |
+-----+
1 row in set (0.00 sec)
```

## 2.15. LTRIM(CADENA)

```
mysql> select ltrim("  Hola Mundo");
+-----+
| ltrim("  Hola Mundo") |
+-----+
| Hola Mundo            |
+-----+
1 row in set (0.01 sec)
```

## 2.16. RTRIM(CADENA)

```
mysql> select RTRIM("Hola Mundo ");
+-----+
| RTRIM("Hola Mundo ") |
+-----+
| Hola Mundo           |
+-----+
1 row in set (0.00 sec)
```

## 2.17. REPEAT(CADENA,N)

```
mysql> select Repeat("Hola Mundo",3);
+-----+
| Repeat("Hola Mundo",3) |
+-----+
| Hola MundoHola MundoHola Mundo |
+-----+
1 row in set (0.00 sec)
```

## 2.18. REVERSE(CADENA)

```
mysql> select Reverse("Hola Mundo");
+-----+
| Reverse("Hola Mundo") |
+-----+
| odnuM aloH            |
+-----+
1 row in set (0.00 sec)
```

## 2.19. SUBSTRING(CADENA,N)

```
mysql> select substring("Hola Mundo",6);
+-----+
| substring("Hola Mundo",6) |
+-----+
| Mundo                      |
+-----+
1 row in set (0.00 sec)
```

## 2.20. SUBSTRING(CADENA,N,M)

```
mysql> select substring("Hola Mundo",6,1);
+-----+
| substring("Hola Mundo",6,1) |
+-----+
| M                             |
+-----+
1 row in set (0.00 sec)
```

## 2.21. SPACE(N)

```
mysql> select space(8);
+-----+
| space(8) |
+-----+
|          |
+-----+
1 row in set (0.00 sec)
```

## 2.22. LOCATE(SUBCADENA,CADENA)

```
mysql> select locate("Hola","Hola Mundo");
+-----+
| locate("Hola","Hola Mundo") |
+-----+
|                               1 |
+-----+
1 row in set (0.00 sec)
```