**MYSQL**

**Mysql String function:**

**Concat:**

SELECT CONCAT("this", "is", "SQL") AS test;

**Length:**

SELECT LENGTH('MYSQL') as lenth;

**Trim:**

SELECT TRIM(' SQL ');

**UPPER:**

SELECT UPPER('mysql')->MYSQL

**LOWER:**

SELECT LOWER('MYSQL')->mysql

**SUBSTRING:**

SELECT SUBSTRING('database' FROM -4 FOR 2); ->ba

SELECT SUBSTRING('database' ,4, 2); ->ab

SELECT SUBSTRING('database' from 4); ->abase

**RPAD:**

SELECT RPAD('sql',5,'!');->sql!!

**LPAD:**

SELECT LPAD('sql',5,'!');->!!sql

**Mysql number function:**

**MOD:**

SELECT MOD(29,2);->1

**POW:**

**ROUND:**

SELECT ROUND(26.298, 2);->26.30

SELECT ROUND(26.298, -1);->30

SELECT ROUND(23.298, -1);->20

**Mysql DATE function:**

**ADDDATE:**

SELECT ADDDATE('2008-01-02', INTERVAL 31 DAY);->2008-02-02

**DATEDIFF:**

SELECT DATEDIFF('2010-11-30','2010-12-31');->-31

SELECT DATEDIFF('2010-12-30 23:59:59','2010-11-31');->31

**DAYNAME:**

SELECT DAYNAME('2007-02-03');->Saturday

**DAYOFWEEK:**

SELECT DAYOFWEEK('2007-02-03');->7

**EXTRACT:**

SELECT EXTRACT(DAY FROM '2019-07-02');->2

SELECT EXTRACT(MONTH FROM '2019-07-02');->7

SELECT EXTRACT(YAER FROM '2019-07-02');->2019

**MONTH:**

SELECT MONTH('2008-02-03');->2

**MONTHNAME:**

SELECT MONTHNAME('2008-02-03');->February

**Mysql Control Flow Functions:**

**IF:**

SELECT IF(1<2,'yes','no');->yes

SELECT IF(2<1,'yes','no');->no

**IFNULL:**

SELECT IFNULL(1/0,'yes');->yes

**CASE:**

select salary,case

when salary >15000 then "good"

when salary >10000 then "ok"

when salary >5000 then "avg"

else "bad"

end as "comments" from employees;