**Task Day 12**

**Question :** Find prime numbers between 1 to 100 using SQL Procedure.

**Query :**

create procedure prm(in p int(5))

-> begin

-> DECLARE i int default 1;

-> DECLARE j int default 1;

-> DECLARE x int default 0;

-> DECLARE y int default 0;

-> DECLARE str varchar(20000);

-> SET str=' ';

-> while(j<=p) do

-> while(i<=j) do

-> if(j%i=0) then

-> set x=x+1;

-> end if;

-> set i=i+1;

-> end while;

-> if(x=2) then

-> SET str= concat(str,'\n',j);

-> set y=y+1;

-> end if;

-> set x=0;

-> set i=1;

-> set j=j+1;

-> end while;

-> select str;

-> select y as "no of prime numbers";

-> end$$

**Output :** call prm(100);$$

**+--------------------------------------------------------------------------+**

**| str |**

**+--------------------------------------------------------------------------+**

**|**

**2**

**3**

**5**

**7**

**11**

**13**

**17**

**19**

**23**

**29**

**31**

**37**

**41**

**43**

**47**

**53**

**59**

**61**

**67**

**71**

**73**

**79**

**83**

**89**

**97 |**

**+--------------------------------------------------------------------------+**

**1 row in set (0.01 sec)**

**+---------------------+**

**| no of prime numbers |**

**+---------------------+**

**| 25 |**

**+---------------------+**

**1 row in set (0.12 sec)**