

# Banaras Hindu University



## DATA BASE MANAGEMENT SYSTEM

BSc. CS (hons.) SEM : 5

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**EXAM ROLL NO-** 21229CMP003

Ques :- Write a script in any language to connect the database to its backend .

```
import mysql.connector as ms
```

```
import random
```

```
con = ms.connect(host="localhost",user="root",password="sakshi123", database="college")
```

```
cur=con.cursor()
```

```
cur.execute('select *from studentinfo ')
```

```
print(cur)
```

```
rec=cur.fetchall()
```

```

records=cur.rowcount
print('Total Records -->',records)

for i in rec:
    print('\t',i)

#close the connection
con.close

```

output:-

CMysqlCursor: select \*from studentinfo

Total Records --> 6

```

(1, 'Kriti', 945193941, 'Sunderpur', 'CS', 80)
(2, 'Priyanka', 934921939, 'Ramnagar', 'Arts', 90)
(3, 'Sakshi ', 884067361, 'Maldahiya', 'CS', 35)
(4, 'Sapna', 893457894, 'Chandauli', 'chemistry', 90)
(5, 'Sushma', 985678946, 'Sunderpur', 'Social', 87)
(6, 'Varsha', 908785967, 'Rampur', 'CS', 86)

```

Ques :- Detail explain the syntax of select query show the example of a query including select,group by, order by, and having clause in one single query.

Briefly explain the difference between the like between and in function.

ANS:-

```

create database college;

use college;

create table studentinfo

( stu_id int(10)primary key, stu_name varchar(30), phoneno int(10) , address varchar(30),dept
varchar(30),marks int (3));

insert into studentinfo values( 01,
"Kriti",945193941,"Sunderpur","CS",80),(02,"Priyanka",934921939,"Ramnagar","Arts",90),

```

```

(03,"Sakshi
",884067361,"Maldahiya","CS",35),(04,"Sapna",893457894,"Chandauli","chemistry",90),

(05,"Sushma",985678946,"Sunderpur","Social",87),(06,"Varsha",908785967,"Rampur","CS",86);

select* from studentinfo;

select count(*),dept from studentinfo where marks>30 group by dept having count(*)>1 order by
count(*);
```

OUTPUT:-

1	Kriti	945193941	Sunderpur	CS	80
2	Priyanka	934921939	Ramnagar	Arts	90
3	Sakshi	884067361	Maldahiya	CS	35
4	Sapna	893457894	Chandauli	chemistry	90
5	Sushma	985678946	Sunderpur	Social	87
6	Varsha	908785967	Rampur	CS	86