

# BANARAS HINDU UNIVERSITY



## DATABASE MANAGEMENT SYSTEM

End Sem. Practical Programs 2023-24

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Q.1 Write a program script in any language of your choice connecting a database to its backend.

```

C: > Users > ASUS > OneDrive > Desktop > acc.py
1  import mysql.connector as ms
2  import random
3
4  con = ms.connect(host="localhost",user="root",password="TechKriti@7",database="account")
5
6  cur=con.cursor()
7  cur.execute('select *from acc_data')
8  print(cur)
9  rec=cur.fetchall()
10 records=cur.rowcount
11 print('Total Records -->',records)
12 for i in rec:
13     print('\t',i)
14     #close the connection
15     con.close

```

Output:

```

PS C:\Users\ASUS> python -u "c:\Users\ASUS\OneDrive\Desktop\acc.py"
MySQLCursor: select *from acc_data
Total Records --> 6
      (1, 'Kriti Tripathi', 80000, 'Varanasi')
      (2, 'Tara', 20000, 'Lucknow')
      (3, 'Sakshi Jaiswal', 60000, 'Varanasi')
      (4, 'Sapna', 70000, 'mughalsarai')
      (6, 'Varsha', 90000, 'Rampur')
      (9, 'Priyanka', 10000, 'Mughalsari')
PS C:\Users\ASUS>

```

Q.2 Give detailed explanation of syntax of select query using select, group by, order by, and having clause in one single query.

```

1 • create database account;
2 • use account;
3 • create table acc_data(
4   acc_no int primary key, acc_holdername varchar (50) , salary int (10)
5 );
6 • insert into acc_data values (001, "Kriti Tripathi", 250000),(003, "Sakshi Jaiswal", 150000), (006,"Varsha Saini", 50000);
7 • select * from acc_data;
8 • alter table acc_data add column city varchar(30);
9 • insert into acc_data values (001, "Kriti Tripathi", 80000, "Varanasi"), (003,"Sakshi Jaiswal", 60000,"Varanasi"),(004,"Sapna",70000,"mughalsarai"
10 • select count(*) ,city from acc_data where salary>35000 group by city having count(*) >1 order by count(*);
11 • select * from acc_data;

```

Result Grid

	acc_no	acc_holdername	salary	city
1	001	Kriti Tripathi	80000	Varanasi
2	006	Varsha Saini	50000	
3	003	Sakshi Jaiswal	60000	Varanasi
4	004	Sapna	70000	mughalsarai
6	006	Varsha Saini	50000	
9	001	Kriti Tripathi	80000	Varanasi
*	NULL	NULL	NULL	NULL

Form Editor

```

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11 • select * from acc_data;

```

Result Grid

	count(*)	city
2	2	Varanasi

Form Editor