

# CAP 457: INTRODUCTION TO BIG DATA

## CONTINUOUS ASSESSMENTS (C.A)-4

ST\_NAME :- EKHLAKH AHMAD  
REG NO. :- 12209166  
ROLL NO. :- RD2215B50  
SECTION :- D2215  
GROUP :- 2

**Q.1. To perform the hive, join queries (Outer, Inner, Left, and right Join).**

**Ans: - Create two table on these we perform all join operations.**

```
hive> select * from students;  
OK  
1      ekhlakh Mca  
2      sonpal  BCA  
3      satish  BBA  
Time taken: 0.177 seconds, Fetched: 3 row(s)  
hive> select * from mark  
> ;  
OK  
0      80  
1      90  
2      95  
4      98  
Time taken: 0.098 seconds, Fetched: 4 row(s)
```

**This command is used to perform inner join.**

```
hive> select students.*,mark.* from students join mark on(students.id=mark.id);
```

```
OK  
1      ekhlakh Mca      1      90  
2      sonpal  BCA      2      95  
Time taken: 28.117 seconds, Fetched: 2 row(s)
```

**This command is used to perform left outer join.**

```
hive> select students.*,mark.* from students left outer join mark on(students.id=mark.id);
```

```
1      ekhlakh Mca      1      90
2      sonpal  BCA      2      95
3      satish  BBA      NULL    NULL
Time taken: 26.599 seconds, Fetched: 3 row(s)
```

**This command is used to perform right outer join.**

```
hive> select students.*,mark.* from students right outer join mark on(students.id=mark.id);
```

```
NULL    NULL    NULL    0      80
1      ekhlakh Mca      1      90
2      sonpal  BCA      2      95
NULL    NULL    NULL    4      98
Time taken: 26.707 seconds, Fetched: 4 row(s)
```

**This command is used to perform full outer join.**

```
hive> select students.*,mark.* from students full outer join mark on(students.id=mark.id);
```

```
NULL    NULL    NULL    0      80
1      ekhlakh Mca      1      90
2      sonpal  BCA      2      95
3      satish  BBA      NULL    NULL
NULL    NULL    NULL    4      98
Time taken: 33.115 seconds, Fetched: 5 row(s)
```