

Table 1 : student

rollnumber	name	statecode
1	harikrishna	32
2	shivam	22
3	saish	29
4	shashank	36
5	harsha	35

Table 1 : state

statecode	state
22	chhatisgarh
29	karnataka
36	telangana
27	maharashtra
32	kerala

1. inner join

solution :

query :

```
select rollnumber, name, state
from student s1, state s2
where s1.statecode=s2.statecode;
```

output:

rollnumber	name	state
1	Harikrishna	kerala
2	shivam	chhatisgarh
3	saish	karnataka
4	shashank	telangana

2. outer join

a. left outer join

solution :

query :

```
select student.rollnumber, student.name, student.statecode, state.state
from student, state
where student.statecode = state.statecode(+);
```

output:

rollnumber	name	statecode	state
1	Harikrishna	32	kerala
2	shivam	22	chhatisgarh
3	saish	29	karnataka
4	shashank	36	telangana
5	harsha	35	NULL

a. right outer join

solution :

query :

```
select student.rollnumber, student.name, student.statecode, state.state  
from student, state  
where student.statecode(+) = state.statecode;
```

output:

rollnumber	name	statecode	state
1	Harikrishna	32	kerala
2	shivam	22	chhatisgarh
3	saish	29	karnataka
4	shashank	36	telangana
NULL	NULL	27	maharashtra