

Exercise 1:

```
create table Player(PId integer primary key,PName varchar2(30) not null,  
Ranking integer);
```

Exercise 2:

```
create table Tournament(TId integer primary key,TName varchar2(30) not null,  
StartDt date not null,EndDt date not null,Prize integer not null);
```

Exercise 3:

```
create table Match(MId integer,TId integer references Tournament(TId),  
Player1 integer references Player(PId),  
Player2 integer references Player(PId),check(Player1<>Player2),  
MatchDt date not null,  
winner integer references Player(PId),  
Score varchar2(30) not null,primary key(MId,TId));
```

Exercise 4:

```
alter table Player add(MatchesPlayed number,MatchesWon number);
```

Exercise 5:

```
UPDATE Product SET Discount = 25 WHERE Category = 'sports';
```

Exercise 6:

```
delete from saledetail where saleid=1004;
```

Assignment 1:

```
create table Article(ArCode char(5) check(ArCode LIKE 'A%')  
primary key,ArName varchar2(30) not null,Rate number(8,2),  
Quantity number(4) default 0  
check(Quantity>=0),Class char(1) check(Class IN('A','B','C')));
```

Assignment2:

```
insert into Article(ArCode,ArName,Rate,Quantity,Class)  
values('A1001','Mouse',500,0,'C');
```

Exercise 7:

```
select prodid,pdesc,category,  
discount from Product where Category = 'Apparel';
```

Exercise 8:

```
select prodid,pdesc,category,discount from Product where pdesc IS NULL;
```

Exercise 9:

```
select prodid,pdesc,category,discount from Product where  
Category = 'Apparel' AND discount>5;
```

Exercise 10:

```
select prodid,category,discount from Product where category IN
```

('Sports','Apparel') order by category asc,discout asc;

Exercise 11:

select prodid,sum(quantity) "QTY_SOLD" from saledetail where
quantity>1 group by prodid having count(saleid)>1;

Exercise 12:

select location,count(*) "NUMBER_SMAN" from salesman group by location

Assignment 3:

select descr,price from Item where descr LIKE '%Hard disk';
or
select descr,price from Item where descr LIKE '%Hard disk%';

Assignment 4:

select quotationid,sname,itemcode,quotedprice,qdate,qstatus from
Quotation where qstatus IN('Rejected','Closed');

Assignment 5:

select designation,salary from empdetails where
designation IN('Manager','Billing Staff');

Assignment 6:

select roid,location from retailoutlet where managerid is null;

Assignment 7:

select orderid,quotationid,status from Orders where orderdate
between '1-Dec-2014' AND '1-Jan-2015';

Assignment 8:

select orderid,status,nvl(pymtmode,'Payment yet not done')
pymtmode from orders;

Assignment 9:

select count(orderid) TOTALORDERSCOUNT,
count(amountpaid) PAIDORDERSCOUNT from orders;

Assignment 10:

select min(salary) as MINSAL,max(salary) as MAXSAL,sum(salary)as
TOTALSAL,avg(salary) as AVGSAL from empdetails;

Assignment 11:

select itemcode, avg(qtyavailable) "Average Quantity" from
retailstock group by itemcode having avg(qtyavailable)<75;

Assignment 12:

select sname,quotedprice "Average quoted price" from quotation
where Quotedprice>500 AND Qstatus='Closed' group by sname having
avg(quotedprice)>500;

Assignment 13:

```
select Job,avg(sal) "Average Salary" from Emp where Job in ('MANAGER','ANALYST') group by Job having avg(Sal)>1500;
```

Assignment 14:

```
select job,deptno,avg(sal)"AVGSALARY" from emp where deptno IN(10,20) and sal>2000 group by job,deptno having avg(sal)>2500;
```

Exercise 13:

```
select id, ename, e.comp_id,make from employee e inner join computer c on e.comp_id=c.comp_id where c.model='Precision' or c.model='Edge'
```

Exercise 14:

```
select e.Dept ,count(*) "NUMBER OF COMPUTERS" from Employee e inner join Computer c on e.Comp_id=c.Comp_id where Make in('Dell') group by Dept;
```

Exercise 15:

```
select s.sid,s.sname,s.location from salesman s inner join salesman s1 on s.location=s1.location where s.sid<>s1.sid
```

Exercise 16:

```
select p1.prod_id,p1.category,p1.price from product p1 inner join product p2 on p1.price=p2.price where p1.prod_id<>p2.prod_id
```

Exercise 17:

```
SELECT S.SID, S.SNAME, NVL(SUM(PRICE * QUANTITY),0) AS TAMOUNT, NVL(SUM((PRICE * QUANTITY * DISCOUNT) / 100),0) AS TDISCOUNT FROM Salesman S LEFT JOIN Sale SL ON S.SID = SL.SID LEFT JOIN SaleDetail SD ON SL.SaleID = SD.SaleID LEFT JOIN Product P ON P.ProdId = SD.ProdId GROUP BY S.SID, S.SNAME
```

Exercise 18:

```
select e.id,e.ename,e.manager as MGRID,e1.ename as MGRNAME,c1.model as E_MODEL,c.model as M_MODEL from employee e inner join employee e1 on e.manager=e1.id left outer join computer c on e1.comp_id=c.comp_id left outer join computer c1 on e.comp_id=c1.comp_id where c1.comp_id is not null and c.comp_id is not null;
```

Assignment 15:

```
select ename,vehiclename from emp e left join empvehicle ev on e.empno=ev.empno left join vehicle v on ev.vehicleid=v.vehicleid;
```

Assignment 16:

```
select i.itemcode, descr, NVL(To_char(qtyavailable), 'N.A.') qtyavailable from item i left outer join retailstock r on i.itemcode = r.itemcode and roid = 'R1001';
```

Assignment 17:

```
select i.itemcode,i.descr,i.category,q.quotedprice from item i
inner join quotation q on i.itemcode=q.itemcode where
qstatus='Accepted'
```

Assignment 18:

```
select itemcode,sname,sum(qtyordered) "TOTALQUANTITY" from quotation
q inner join orders o on q.quotationid=o.quotationid group by
itemcode,sname having sum(qtyordered)>=100;
```

Assignment 19:

```
select empname,designation,emailid from empdetails e inner join
retailoutlet r on e.worksin = r.roid where e.worksin='R1001' and
e.empname<>'George'
```

or

```
select empname,designation,emailid from empdetails e left outer join
retailoutlet r on e.worksin = r.roid where e.worksin='R1001' and
e.empname<>'George'
```

Assignment 20:

```
select c.custid,c.custname from customer c inner join customer c1
on c.address=c1.address where c1.custid<>c.custid
```

Assignment 21:

```
select i.itemcode,i.descr,q.sname from item i inner join
quotation q on i.itemcode=q.itemcode
```