Lab 3 Answer sheet

Exercise 1

1.	select firstname, lastname from employees;
2.	select * from projects where revenue>40000;
3.	select deptcode from projects where revenue between 100000 and 150000;
4.	select projectid from projects where startdate <= '01/July/2004';
5.	select name from departments where subdeptof is null;
6.	select projectid,description from projects where deptcode in ('ACCNT ','CNSLT','HDWRE');
7.	select * from employees where lastname like '_____'and lastname like '%ware';
8.	select employeeid,lastname from employees where deptcode ='ACCNT' and salary > 30000;
9.	select * from projects where revenue >0 and startdate > sysdate;
10.	select projectid from projects where (deptcode ='ACCNT' or enddate is null) and revenue >50000;

Exercise 2

1.	Select firstname||' '||Lastname as "Name" from employees;
2.	Select distinct deptcode from projects;
3.	Select projectid , enddate - startdate as "duration" from projects;
4.	Select projectid, Floor(case when enddate IS null then sysdate-startdate when enddate is not null then enddate-startdate end) as "duration" from projects;
5.	Select projectid , revenue/(enddate-startdate) as "avg revenue per day" from projects where enddate is not null;
6.	Select distinct extract(year from startdate) AS "YEAR" from projects;

8.	select employeeid ,(case when assignedtime < 0.33 then 'part time' when assignedtime > 0.33 and assignedtime<0.67 then 'split time' when assignedtime >= 0.67 then 'full time' end) as "worktime" from workson;

9.	select upper(substr(description,1,3)||'-'||deptcode) as "abbreviations" from projects;
10.	select projectid, extract(year from startdate) as "Year" from projects order by extract(year from startdate) asc;
11.	select lastname, salary+(0.05*salary) as "New Salary" from employees where salary+(0.05*salary) >50000;
12.	select employeeid, firstname, lastname, salary+(0.1*salary) as "Next Year" from employees where deptcode='HDWRE';
13.	Select deptcode, firstname||' '||lastname as "Name" from employees order by deptcode asc, lastname asc, firstname asc;

Exercise 3

1.	Select vendorid from vendors where replname='Grape';
2.	Select name from ingredients where foodgroup='Fruit' and inventory>100;
3.	Select foodgroup from ingredients where name !='Grape' group by foodgroup Having foodgroup is not null ;
4.	select name ,unitprice from ingredients where vendorid='VGRUS' order by unitprice asc;
5.	select max(dateadded) from items;
6.	select count(vendorid),referredby from vendors group by referredby having count(vendorid)>1;

Exercise 4

1.	select avg(salary) from employees;
2.	select min(revenue), max(revenue) from projects where enddate is null and revenue!=0;
3.	select count(projectid)from projects group by enddate having count(enddate)>0;
4.	select count(projectid) from workson where employeeid is not null;
5.	select max(lastname) from employees;
6.	select stddev(salary) from employees;
7.	select count(deptcode) from employees ;
8.	select count(employeeid),deptcode from employees group by deptcode ;
9.	select count(projectid),deptcode,avg(revenue) from projects group by deptcode having count(deptcode)>0;
10.	select employeeid from workson group by employeeid having sum(assignedtime*100)>=100;
11.	select sum(salary+(0.10*salary)), deptcode from employees where lastname not like '%re' group by deptcode ;