1. 아래 Script를 수행한 후 year,hakgi,jumin\_no,hakbun,name,iphak\_ymd,address 값 총 3건을 구하시요.

create table janghak  
(   
 jumin\_no   char(13) not null,  
 year          char(4) not null,  
 hakgi        char(1) not null,  
 amt          number  
);

insert into janghak values ('9901011580411','2018','1',10000);  
insert into janghak values ('9901011580411','2016','1',20000);  
insert into janghak values ('9801012580411','2017','2',20000);  
commit;

create table student  
(  
 hakbun    varchar2(10) not null,  
 name       varchar2(10) not null,  
 jumin\_no  char(13) not null,  
 iphak\_ymd char(8) not null,  
 address    varchar2(30)   
);

insert into student values ('1','이효복','9901011580411','20150302','SEOUL');  
insert into student values ('2','이효복','9901011580411','20160302','PUSAN');  
insert into student values ('3','이효복','9901011580411','20170902','DAEJUN');  
insert into student values ('4','김병준','9801012580411','20170302','KIMPO');  
commit;

**SQL1)**

select year,hakgi,a.jumin\_no,hakbun,name,iphak\_ymd,address

from (select JUMIN\_NO,

YEAR,

HAKGI,

decode(HAKGI, 1, year||'0302', 2, year||'0901')janghak\_date

from janghak)a,

(select HAKBUN,

NAME,

JUMIN\_NO,

IPHAK\_YMD,

ADDRESS,

lead(IPHAK\_YMD, 1, to\_char(sysdate, 'yyyymmdd'))over(partition by name

order by hakbun)iphak\_date

from student)b

where a.JUMIN\_NO=b.JUMIN\_NO

and janghak\_date>=IPHAK\_YMD

and janghak\_date<iphak\_date;

2. 로또 당첨 번호가 생성되는 Function을 구하시요!!!

예를 들어 해당 Function을 수행하면 5, 10, 11, 28, 41, 43 + 7 이런식으로 매번 다른 값이 나오도록 하는 Function을 작성하시요,

**SQL2)**

create

or replace function lotto\_func return varchar2 is v\_lotto varchar2(100);

v\_bonus varchar2(2);

begin

SELECT listagg(decode(num,no7,'',num),',')within group(order by num)||' + '||listagg(no7,',')within group(order by num) into v\_lotto

FROM (SELECT num, DECODE(MOD(ROWNUM - 1, 7) + 1, 7, num) no7,

MOD(ROWNUM - 1, 45) + 1 rnum

FROM (SELECT CEIL(LEVEL / 45) grp,

MOD(LEVEL - 1, 45) + 1 num

FROM DUAL CONNECT BY LEVEL <= 45

ORDER BY 1,

DBMS\_RANDOM.VALUE ) )

WHERE rnum <= 7

order by num;

return v\_lotto;

end lotto\_func;