**DB Object 스크립트(PL-SQL)**

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| 요구사항번호 | B-01 | 작성일 | 2022-05-19 |
| 요구사항명 | 관리자 계정 | 작성자 | 김성태 |
| DML | | | |
| 계정으로 로그인 후 관리자 기본정보 간단하게 출력  create or replace procedure admin\_P(  p\_admin\_ssn in number,  p\_result out sys\_refcursor  )  is  begin  open p\_result  for  select  admin.seq,  admin.name as "이름",  admin.tel as "연락처"  from admin  where ssn = p\_admin\_ssn;  end admin\_P; | | | |

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| 요구사항번호 | B-02 | 작성일 | 2022-05-19 |
| 요구사항명 | 기초정보 관리기능 | 작성자 | 김성태 |
| DML | | | |
| --과정 명 관리  select \* from curriculum;  --과정 명 추가  create or replace procedure c\_insert\_p(p\_seq in curriculum.seq%type, p\_name in curriculum.name%type)  is  begin  insert into curriculum(seq,name) values(p\_seq,p\_name);  commit;  dbms\_output.put\_line('INSERT SUCCESS');  end c\_insert\_p;  --과정 명 수정  CREATE OR REPLACE PROCEDURE c\_update\_p ( cur\_seq\_p IN NUMBER, cur\_name\_p IN VARCHAR2)  IS  BEGIN  UPDATE curriculum  SET seq = cur\_seq\_p,  name = cur\_name\_p  WHERE seq = cur\_seq\_p;  EXCEPTION WHEN OTHERS THEN  DBMS\_OUTPUT.put\_line('추가에 실패했습니다.');  ROLLBACK;  END;  --과정 명 삭제  create or replace procedure c\_delete\_p(p\_seq in curriculum.seq%type)  is  begin  delete from curriculum  where p\_seq = seq;  commit;  end c\_delete\_p;  --과목 명 관리  select \* from subject;  --과목 명 추가  create or replace procedure s\_insert\_p(p\_seq in subject.seq%type, p\_subject\_name IN subject.name%type)  is  begin  insert into subject(seq, subject\_name) values(p\_seq,p\_subject\_name);  commit;  dbms\_output.put\_line('INSERT SUCCESS');  end s\_insert\_p;  --과목 명 수정  create or replace procedure s\_update\_p ( sub\_seq\_p in number, sub\_subject\_name\_p in varchar2)  is  begin  update subject  set seq = sub\_seq\_p,  subject\_name = sub\_subject\_name\_p  where seq = sub\_seq\_p;  exception when others then  dbms\_output.put\_line('추가에 실패했습니다.');  rollback;  end;  --과목 명 삭제  create or replace procedure s\_delete\_p(p\_seq in subject.seq%type)  is  begin  delete from subject  where p\_seq = seq;  commit;  end s\_delete\_p;  --강의실 명 관리  select \* from lectureroom;  --강의실 명 추가  create or replace procedure l\_insert\_p(p\_seq in lectureroom.seq%type, p\_rname IN lectureroom.room\_name%type, p\_sl in lectureroom.student\_limit%type)  is  begin  insert into lectureroom(seq, room\_name, student\_limit) values(p\_seq,p\_rname, p\_sl);  commit;  dbms\_output.put\_line('INSERT SUCCESS');  end l\_insert\_p;  --강의실 명 수정  create or replace procedure l\_update\_p ( lect\_seq\_p in number, lect\_room\_name\_p in varchar2, lect\_student\_limit\_p in number)  is  begin  update lectureroom  set seq = lect\_seq\_p,  room\_name = lect\_room\_name\_p,  student\_limit = lect\_student\_limit\_p  where seq = lect\_seq\_p;  exception when others then  dbms\_output.put\_line('추가에 실패했습니다.');  rollback;  end;  --강의실 명 삭제  create or replace procedure l\_delete\_p(p\_seq in lectureroom.seq%type)  is  begin  delete from lectureroom  where p\_seq = seq;  commit;  end l\_delete\_p;  --교재 명 관리  select \* from book;  --교재 명 추가  create or replace procedure b\_insert\_p(p\_seq in book.seq%type, p\_sub IN book.subject%type, p\_aut in book.author%type,  p\_pub in book.publisher%type, p\_puye in book.pub\_year%type)  is  begin  insert into book(seq, subject, author, publisher, pub\_year) values(p\_seq, p\_sub, p\_aut, p\_pub, p\_puye);  commit;  dbms\_output.put\_line('INSERT SUCCESS');  end b\_insert\_p;  --교재 명 수정  create or replace procedure b\_update\_p ( b\_seq\_p in number, b\_subject\_p in varchar2, b\_author\_p in varchar2,  b\_publisher\_p in varchar2, b\_pub\_year\_p in date)  is  begin  update book  set seq = b\_seq\_p,  subject = b\_subject\_p,  author = b\_author\_p,  publisher = b\_publisher\_p,  pub\_year = b\_pub\_year\_p  where seq = b\_seq\_p;  exception when others then  dbms\_output.put\_line('추가에 실패했습니다.');  rollback;  end;  --교재 명 삭제  create or replace procedure b\_delete\_p(p\_seq in book.seq%type)  is  begin  delete from book  where p\_seq = seq;  commit;  end b\_delete\_p; | | | |

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| 요구사항번호 | B-03 | 작성일 | 2022-05-19 |
| 요구사항명 | 교사계정 관리기능 | 작성자 | 김성태 |
| DML | | | |
| --교사정보 등록  create or replace procedure teacher\_insert\_p(p\_seq in teacher.seq%type, p\_name IN teacher.name%type, p\_ssn in teacher.ssn%type,  p\_tel in teacher.tel%type)  is  begin  insert into teacher(seq, name, ssn, tel) values(p\_seq, p\_name, p\_ssn, p\_tel);  commit;  dbms\_output.put\_line('INSERT SUCCESS');  end teacher\_insert\_p;  --교사정보 수정  create or replace procedure t\_update\_p ( t\_seq\_p in number, t\_name\_p in varchar2, t\_ssn\_p in number, t\_tel\_p in varchar2)  is  begin  update teacher  set seq = t\_seq\_p,  name = t\_name\_p,  ssn = t\_ssn\_p,  tel = t\_tel\_p  where seq = t\_seq\_p;  exception when others then  dbms\_output.put\_line('추가에 실패했습니다.');  rollback;  end;  --교사정보 삭제  create or replace procedure teacher\_delete\_p(p\_seq in teacher.seq%type)  is  begin  delete from teacher  where p\_seq = seq;  commit;  end teacher\_delete\_p;  --교사의 강의과목에 대한 정보 조회  create or replace procedure open\_subject\_book\_P (  p\_open\_subject\_seq in number,  p\_result out sys\_refcursor  )  is  begin  open p\_result  for  select subject  from book b  inner join subject\_book s  on b.seq = s.book\_seq  where s.subject\_seq = (select subject\_seq from open\_subject where open\_subject. p\_open\_subject\_seq);  end open\_subject\_book\_P;  set SERVEROUTPUT ON;  declare  v\_result sys\_refcursor;  v\_open\_subject\_seq open\_subject.seq%type;  v\_open\_subject\_state varchar2(15);  v\_curriculum\_name curriculum.name%type;  v\_open\_curs\_begin open\_curs.begin\_date%type;  v\_open\_curs\_end open\_curs.end\_date%type;  v\_lectureroon\_name lectureroom.room\_name%type;  v\_open\_subject\_begin open\_subject.begin\_date%type;  v\_open\_subject\_end open\_subject.end\_date%type;  v\_book\_name sys\_refcursor;  v\_subject\_name subject.subject\_name%type;  v\_student\_num number;  v\_seq number;  begin  teacher\_subject\_P(1, v\_result);  v\_seq :=1;  dbms\_output.put\_line('==================================강의 스케줄 조회===================================');    loop  fetch v\_result into v\_open\_subject\_seq, v\_open\_subject\_state, v\_curriculum\_name, v\_open\_curs\_begin, v\_open\_curs\_end, v\_lectureroon\_name,  v\_subject\_name, v\_open\_subject\_begin, v\_open\_subject\_end, v\_student\_num;  exit when v\_result%notfound;          dbms\_output.put\_line('-----------------------------------------------------------------------------------');  dbms\_output.put\_line(v\_seq ||'. '||'['||v\_open\_subject\_state||'] '||v\_subject\_name||' (과목번호: '||v\_open\_subject\_seq||')');  dbms\_output.put\_line(' - 기간: '||v\_open\_subject\_begin||' ~ '||v\_open\_subject\_end);  dbms\_output.put\_line(' - 인원: '||v\_student\_num||'명');  dbms\_output.put\_line(' - 교재: '||v\_book\_name);  dbms\_output.put\_line(' - 과정: '||v\_curriculum\_name || ' ('||v\_open\_curs\_begin||' ~ '||v\_open\_curs\_end||')');  dbms\_output.put\_line(' - 강의실: '||v\_lectureroon\_name);    v\_seq := v\_seq + 1;  end loop;  close v\_result;  dbms\_output.put\_line('-----------------------------------------------------------------------------------');  dbms\_output.put\_line('===================================================================================');  end; | | | |

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| 요구사항번호 | D-05 | 작성일 | 2022-05-19 |
| 요구사항명 | 과제 조회 및 제출 | 작성자 | 김성태 |
| DML | | | |
| --자신이 제출한 과제 목록 조회  create or replace procedure summit\_P(  p\_member\_ssn in number,  p\_result out sys\_refcursor  )  is  begin  open p\_result  for  select  s.seq,  t.task\_description as 과제설명,  m.name as 제출자,  s.summit\_date as 제출날짜,  t.summit\_limit as 제출기한  from summit s  inner join task\_list t  on s.task\_seq = t.seq  inner join student stu  on s.student\_seq = stu.seq  inner join member m  on stu.member\_seq = m.seq  where m.ssn = p\_member\_ssn;  end summit\_P; | | | |