* + 1. □ 작업평가 개요

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| 개요 | 과제명 | 능력단위 | 시험시간 |
| 작업평가 | ㆍ제1과제(데이터베이스구현 실무) | ㆍ데이터 입출력 구현 | 3시간 30분 |
| ㆍSQL응용 |

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| **[제1과제] 데이터베이스구현 실무**  **1. 요구사항**  가. 본 과제에서는 한국백화점 DM발송시스템을 구축을 위한 프로그램이다. DM 발송 대상자 조회, 캠페인 DM 발송 업무로 이루어져 있다. 일자별 DM 발송 대상자 조회 및 ,일자별 DM발송 예약리스트를 조회 할 수 있다.  나. 프로그램 개발을 위해 데이터베이스 설계를 위해 업무요건을 확인하고, 필요한 작업을 수행하시오.  **2. 업무요건**  가. 입력정보 요건에 따라 입력 테이블인 DM발송목록 테이블, 고객정보 테이블을 생성하시오. DM발송목록과 고객정보는 샘플데이터를 활용한다.  나. 고객정보, DM발송목록 정보를 등록 할 수 있다.  다. 회원번호로 개인별 발송내역조회가 가능하다.  라. 작업 환경은 SQL Plus에서 작업한다. 과제별 SQL 작성은 메모장에 작성하여 바탕 화면에 저장한다. (저장파일명 : SQL\_비번.txt)  **3. 작업 과제**  가. 데이터 입출력 요건에 맞게 테이블생성 SQL문장을 작성하고 데이터베이스 시스템에 테이블을 생성하시오.  **(작업 1) DM발송목록 테이블을 생성하시오**   |  | | --- | | CREATE TABLE DM\_TBL (  Dmno INT(8) NOT NULL,  Custid VARCHAR(10),  maildate DATE,  contents VARCHAR(13),  dept CHAR(2),  grade CHAR(1),  campaign CHAR(2),  PRIMARY KEY(Dmno)  ) |   **(작업 2) 고객정보 테이블을 생성하시오**   |  | | --- | | CREATE TABLE bookinfo\_tbl(  custid VARCHAR(10) NOT NULL,  author VARCHAR(20),  goods CHAR(2),  phone VARCHAR(13),  email VARCHAR(20),  area VARCHAR(20),  PRIMARY KEY(custid)  ) |   [DM발송내역 테이블 명세서 (테이블 명 : DM\_TBL)]   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **순서** | **컬럼ID** | **컬럼명** | **형태** | **길이** | **NULL** | **비고** | | 1 | dmno | DM발송번호 | number | 8 | NOT NULL | Primary Key | | 2 | custid | 고객ID | varchar2 | 10 |  |  | | 3 | maildate | 발송일자 | date |  |  |  | | 4 | contents | DM내용 | varchar2 | 13 |  |  | | 5 | dept | 발송부서 | char | 2 |  |  | | 6 | grade | 고객등급 | char | 1 |  |  | | 7 | campain | 캠페인구분 | char | 2 |  |  |   [DM발송내역 샘플 데이터]   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | DM발송번호 | 고객ID | 발송일자 | DM 내용 | 발송부서 | 고객등급 | 캠페인구분 | | 1 | aaa | 20171201 | 안녕하세요? | 10 | 1 | C1 | | 2 | bbb | 20171201 | 안녕하세요? | 10 | 2 | C1 | | 3 | ccc | 20171201 | 안녕하세요? | 10 | 3 | C1 | | 4 | ddd | 20171224 | 안녕하세요? | 20 | V | C2 | | 5 | eee | 20171224 | 안녕하세요? | 20 | VV | C2 | | 6 | fff | 20171224 | 안녕하세요? | 30 | 1 | C3 |   [고객정보 테이블 명세서 (테이블 명 : bookinfo\_tbl)]   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **순서** | **컬럼ID** | **컬럼명** | **형태** | **길이** | **NULL** | **비고** | | 1 | custid | 고객아이디 | varchar2 | 10 | NOT NULL | Primary Key | | 2 | author | 성명 | varchar2 | 20 |  |  | | 3 | goods | 관심상품 | char | 2 |  |  | | 4 | phone | 전화번호 | varchar2 | 13 |  |  | | 5 | email | 이메일 | varchar2 | 20 |  |  | | 6 | area | 거주지역 | varchar2 | 20 |  |  |   [도서정보 샘플 데이터]   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 고객ID | 성명 | 관심상품 | 전화번호 | 이메일 | 거주지역 | | aaa | 김고객 | 의류 | 010-1111-1111 | aaa@korea.com | 서울 | | bbb | 이고객 | 의류 | 010-1111-1112 | bbb@korea.com | 서울 | | ccc | 박고객 | 식료품 | 010-1111-1113 | ccc@korea.com | 경기 | | ddd | 홍고객 | 공산품 | 010-1111-1114 | ddd@korea.com | 대전 | | eee | 조고객 | 컴퓨터 | 010-1111-1115 | eee@korea.com | 대전 | | fff | 백고객 | 관광 | 010-1111-1116 | fff@korea.com | 울산 |   **(작업 3) 샘플데이터를 참조하여 DM발송내역정보와 고객정보테이블에 데이터를 생성하시오 .**  **(작업 4) 고객발송내역 조회 SQL 문을 작성 하시오.**  SELECT b.custid, b.author, DATE\_FORMAT(b.maildate, ‘%Y-%m-%d’) as format\_date, ‘, D.contents D.campaign FROM DM\_TBL as D, bookinfo\_tbl as b where D.custid = b.custid 날짜 형식의 데이터는 아래와 같이 편집하여 출력한다.   |  | | --- | | 발송번호 고객ID 고객명 발송일 내용 캠페인구분  ===== ==============================================================  1 aaa 김고객 2017-12-01 안녕하세요 ? C1  2 bbb 이고객 2017-12-01 안녕하세요 ? C1  3 ccc 박고객 2017-12-01 안녕하세요 ? C1  4 ddd 홍고객 2017-12-24 안녕하세요 ? C2  5 eee 조고객 2017-12-24 안녕하세요 ? C2  6 fff 백고객 2017-12-24 안녕하세요 ? C2 |   **(작업 5) 고객등록 입력 화면을 위해 고객정보저장을 위한 SQL을 작성 하시오**   |  | | --- | | INSERT INTO bookinfo\_tbl(custid, author, goods, phone, email, area) VALUES(‘aaa’, ‘김고객’, ‘의류’, ‘010-1111-1111’, ‘aaa@korea.com’, ‘서울’) |   **(작업 6) 지역별 DM 발송 건수 통계를 구하는 SQL문을 작성 하시오**   |  | | --- | | SELECT COUNT(1) FROM | |