



This table eliminates orphans: if a survey is deleted, then the question(s) and associated answers will also be deleted (trickle down effect).

Survey Results will be access by querying Number_responses in the srv_Answers table.

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drop table if exists srv_Admins;
create table srv_Admins(
  Admin_ID int unsigned not null auto_increment,
  First_name varchar(45) default"",
  Last_name varchar(45) default"",
  Department varchar(100) default"",
  CONSTRAINT ADMIN_PK primary key(Admin_ID)
);

drop table if exists srv_Surveys;
create table srv_Surveys(
  Survey_ID int unsigned not null auto_increment,
  Admin_ID int unsigned not null,
  Title varchar(255) default"",
  Description text default"",
  Date_added DATETIME,
  Date_updated DATETIME,
  Active_date DATETIME,
  Inactive_date DATETIME,
  Times_viewed int default 0,
  CONSTRAINT SURVEY_PK primary key(Survey_ID),
  CONSTRAINT ADMIN_FK foreign key(Admin_ID)
    references srv_Admins(Admin_ID)
    on update no action
    on delete no action
);

drop table if exists srv_Questions;
create table srv_Questions(
  Question_ID int unsigned not null auto_increment,
  Date_updated DATETIME,
  Question text default"",
  CONSTRAINT QUESTION_PK primary key(Question_ID)
);

drop table if exists srv_Surveys_Questions;
create table srv_Surveys_Questions(
  Survey_ID int unsigned not null,
  Question_ID int unsigned not null,
  CONSTRAINT SURVEY_QUESTION_PK primary key(Survey_ID, Question_ID),
  CONSTRAINT Surveys_Questions_Survey_FK foreign key(Survey_ID)
    references srv_Surveys(Survey_ID)
    on update no action
    on delete no action,
  CONSTRAINT Surveys_Questions_Question_FK foreign key(Question_ID)
    references srv_Questions(Question_ID)
    on update no action
    on delete no action
);

drop table if exists srv_Answers;
create table srv_Answers(
  Answer_ID int unsigned not null auto_increment,
  Question_ID int unsigned not null,
  Date_updated DATETIME,
  Type varchar(45) default"",
  Answer text default"",
  Number_responses int default 0,
  CONSTRAINT ANSWER_PK primary key(Answer_ID),
  CONSTRAINT QUESTION_FK foreign key(Question_ID)
    references srv_Questions(Question_ID)
    on update no action
    on delete no action
);
    
```