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Sagar

Koirala_20C_00169910_DB_assignment

By Sagar Koirala

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Introduction The given assignment is related to the Synergy Exhibition Services and is divided to three parts design, data and queries, and assessment. Scenario In this we are given a task to design and implement a database. Synergy Exhibition Services company has given us this task. Since this company is hired by external costumers to put on exhibitions. The company needs to

Introduction

The given assignment is related to the Synergy Exhibition Services and is divided to three parts design, data and queries, and assessment.

Scenario

In this we are given a task to design and implement a database. Synergy Exhibition Services company has given us this task. Since this company is hired by external costumers to put on exhibitions. The company needs to exhibit meeting all the requirements of its costumers. In the task given by the company to us specified the requirements and in the assinment we are provided with all the related scenario and examples of papers.

The Synergy company exhibits providing stalls and display. The exhibition can be done in different methods like showing slides using PowerPoint, Virtual reality tour, sound and light show.

Here in the assignment we are given datas and tables which are not normalized. So, we need to normalize them and create a good relational table and complete all the problems given.

Entity Relationship diagram

ER diagram is a diagram which shows relation between entities with graphical representation in database.

Entity

Things to be stored in database is entity. It exists as a noun.

Attribute

It is the information of entity like name , age etc.

Normalization

It is the process of reducing data replication.

Type of Normalization

1st Normal Form

- Every information is unique
- Not presence of replicated fields
- A single value is present in each cell

2nd Normal Form

- There is no presence of partial key, all non key depends on all components of the primary key.

3rd Normal Form

- This is non key dependance . Non key depends only on the primary key.

Data Dictionary

Metadata

The data about data is known as metadata. It defines the table , the column , the length of the column and data type.

Type of constraint

Not null

The space cannot be left blank.

Unique

All values in table should be different

PK

The set of column in a table which uniquely identifies rows in table is a primary key.

FK

doesn't match to each other student in the collage. (Connolly, T. and Begg, C. (2005). Database System. 4th ed. Harlow, England: Pearson Education Limited., 2005)

Foreign Key is the data in a table which is brought from another table while linking between two table is done. Foreign key in a table is also a primary key another table. Now let me tell you that in my relational table there are also such tables which contains foreign keys. Such table is SagarKStaff_Exhibition which is a linking table Staffid and exhibition id are primary keys in staff and exhibition tables but they are as foreign keys in the linking table. Similarly there are many other tables having foreign keys.

A detailed information of primary and foreign key present in the relational model is given below.

Name of tables	Primary key	Foreign key
SagarKCustomer	CustomerNo	
SagarKStaff_Exhibition		ExhibitionID, StafID
SagarK_Staff	StaffID	StaffRoleID
SagarKStaff_Role	StaffRoleID	
SagarKExhibition_Customer		CustomerNo, ExhibitionID
SagarKExhibition	ExhibitionID	ExhibitionTypeID
SagarKSoftware_Exhibition		SoftwareID, ExhibitionID
SagarKInstallation	InstallationID	
SagarKInstallation_Exhibition		InstallationID, ExhibitionID
SagarKExhibitionType	ExhibitionTypeID	
SagarKSoftware	SoftwareID	

Data Integrity refers to the accuracy of the data. It can be called the data quality. The created tables in the assignment also contain primary and foreign keys SagarKCustomer, SagarKStaff_Exhibition, SagarK_Staff, SagarKStaff_Role, SagarKExhibiton_Customer, SagarKExhibition, SagarKSoftware_Exhibition, SagarKInstallation, SagarKInstallation_Exhibition, SagarKExhibitionType, SagarKSoftware. All these tables contains primary or foreign keys or both.

c. Production of data dictionary for the entity relationship model showing all attributes, with data types and identifying primary keys.

Data dictionary is a tabular representation of data which contains data, datatypes, key and length. Here key is primary key and foreign key. Here are all the data dictionary for the entity relationship model showing all attributes. Herre all the tables SagarKCustomer, SagarKStaff_Exhibition, SagarK_Staff, SagarKStaff_Role, SagarKExhibiton_Customer, SagarKExhibition, SagarKSoftware_Exhibition, SagarKInstallation, SagarKInstallation_Exhibition, SagarKExhibitionType, SagarKSoftware.

i. SagarKCustomer

Name of column	Data types	key	Length
CustomerNo	Varchar2	Primary key	10
CustomerNames	Varchar2		255

ii. SagarKStaff_Exhibition

Name of column	Data types	key	Length
StaffID	Varchar2	Foreign key	10
ExhibitionID	Varchar2	Foreign key	10

iii. SagarK_Staff

Name of column	Data types	key	Length
StaffID	Varchar2	Primary key	10
StaffFirstName	Varchar2		50
StaffSecondName	Varchar2		50
StaffLastName	Varchar2		50
StaffRoleID	Varchar2	Foreign key	10

iv. SagarKStaff_Role

Name of column	Data types	key	Length
StaffRoleID	Varchar2	Primary key	10
StaffRoleName	Varchar2		50

v. SagarKExhibiton_Customer

Name of column	Data types	key	Length
CustomerNo	Varchar2	Foreign key	10
ExhibitionID	Varchar2	Foreign key	10

vi. SagarKExhibition

Name of column	Data types	key	Length
ExhibitionID	Varchar2	Primary key	10
HallName	Varchar2		
StreetName	Varchar2		
ZipCode	Varchar2		
StartDate	date		
EndDate	date		
ExhibitionTypeID	Varchar2	Foreign key	5

vii. SagarKSoftware_Exhibition

Name of column	Data types	key	Length
SoftwareID	Varchar2	Foreign key	10
ExhibitionID	Varchar2	Foreign key	10

viii. SagarKInstallation

Name of column	Data types	key	Length
InstallationID	Varchar2	Primary key	10
InstallationTypeName	Varchar2		100
InstallationDescription	Varchar2		250

ix. SagarKInstallation_Exhibition

Name of column	Data types	key	Length
InstallationID	Varchar2	Foreign key	10
ExhibitionID	Varchar2	Foreign key	10

x. **SagarKExhibitionType**

Name of column	Data types	key	Length
ExhibitionTypeID	Varchar2	Primary key	5
ExhibitionTypeName	Varchar2		200

xi. **SagarKSoftware**

Name of column	Data types	key	Length
SoftwareID	Varchar2	Primary key	10
SoftwareTypeName	Varchar2		100
SoftwareDescription	Varchar2		250

Task 2 - Data Entry and Data Manipulation

a. Creation of all the tables using SQL.

Tables using SQL has been created and showing all the table scripts and finished tables are created. Tables as according to the relationship model is as given below:

- SagarKExhibition_type table

```
create table SagarKExhibition_Type
(
  Exhibition_type_ID varchar2(5)not null,
  Exhibition_type varchar2(255),
  constraint pk_et primary key (Exhibition_type_ID)
);
desc table SagarKExhibition Type;
```

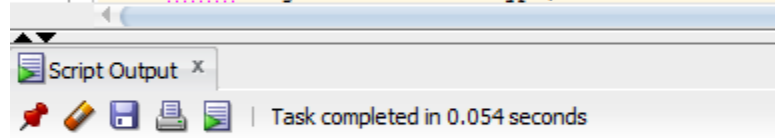


Table SAGARKEEXHIBITION_TYPE created.

Name	Null	Type
EXHIBITION_TYPE_ID	NOT NULL	VARCHAR2(5)
EXHIBITION_TYPE		VARCHAR2(255)

- SagarKExhibition_Customer table.

```
create table SagarKExhibition_Customer
(
  Exhibition_ID varchar2(7),
  Customer_number varchar2(5),
  constraint fk_exhid foreign key (Exhibition_ID) references SagarKExhibition,
  constraint fk_cusn foreign key (Customer_number) references SagarKCustomer
);
desc table SagarKExhibition_Customer;
```

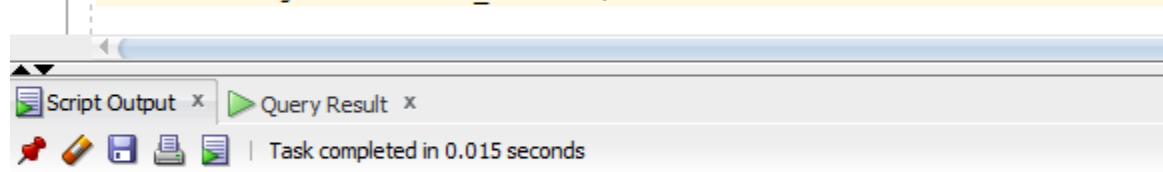


Table SAGARKEEXHIBITION_CUSTOMER created.

Name	Null	Type
EXHIBITION_ID		VARCHAR2(7)
CUSTOMER_NUMBER		VARCHAR2(5)

- SagarKExhibition table.

```

create table SagarKExhibition
(
  Exhibition_ID varchar2(7) not null,
  Exhibition_Name varchar2(255),
  Hall_Name varchar2(50),
  Street_Name varchar2(50),
  State_Name varchar2(50),
  Zip_Code varchar2(100),
  Start_Date date,
  End_Date date,
  Exhibition_type_ID varchar2(5),
  constraint pk_eid primary key (Exhibition_ID),
  constraint fk_eti foreign key (Exhibition_type_ID) references SagarKExhibition_Type
);
desc SagarKExhibition;

```

Script Output x Query Result x

Task completed in 0.021 seconds

EXHIBITION_ID	NOT NULL	VARCHAR2(7)
EXHIBITION_NAME		VARCHAR2(255)
HALL NAME		VARCHAR2(50)
STREET_NAME		VARCHAR2(50)
STATE_NAME		VARCHAR2(50)
ZIP_CODE		VARCHAR2(100)
START_DATE		DATE
END_DATE		DATE
EXHIBITION_TYPE_ID		VARCHAR2(5)

Name	Null	Type
EXH_ID	NOT NULL	VARCHAR2(25)
EXH_NAME		VARCHAR2(50)
EXH_HALLNAME		VARCHAR2(50)
EXH_STREETNAME		VARCHAR2(50)
EXH_STATE		VARCHAR2(50)
EXH_ZIPCODE		VARCHAR2(50)
STARTDATE		DATE
ENDDATE		DATE
EXH_TYPE_ID		VARCHAR2(25)

- SagarKExhibition_Staff table.

```
create table SagarKExhibition_Staff
(
  Exhibition_ID varchar2(7),
  Staff_ID varchar2(5),
  constraint fk_exid foreign key (Exhibition_ID) references SagarKExhibition,
  constraint fk_stai foreign key (Staff_ID) references SagarKStaff
);
desc table SagarKExhibition_Staff;
```

Script Output x Query Result x

Task completed in 0.015 seconds

Table SAGARKEEXHIBITION_STAFF created.

Name	Null	Type
EXHIBITION_ID		VARCHAR2(7)
STAFF_ID		VARCHAR2(5)

- SgarKInstallation_Exhibition Table

```
create table SagarKInstallation_Exhibition
(
  Installation_ID varchar2(5),
  Exhibition_ID varchar2(7),
  constraint fk_inid foreign key (Installation_ID) references SagarKInstallation,
  constraint fk_exhiid foreign key (Exhibition_ID) references SagarKExhibition
);
desc table SagarKInstallation_Exhibition;
```

Script Output x Query Result x

Task completed in 0.031 seconds

Table SAGARKINSTALLATION_EXHIBITION created.

Name	Null	Type
INSTALLATION_ID		VARCHAR2(5)
EXHIBITION_ID		VARCHAR2(7)

- SagarKInstallation Table .

```

create table SagarKInstallation
(
  Installation_ID varchar2(5) not null,
  Installation_Type varchar2(100),
  Installation_Description varchar2(255),
  constraint pk_iid primary key (Installation_ID)
);
desc table SagarKInstallation;

```

Script Output x Query Result x

Task completed in 0.031 seconds

Table SAGARKINSTALLATION created.

Name	Null	Type
INSTALLATION_ID	NOT NULL	VARCHAR2(5)
INSTALLATION_TYPE		VARCHAR2(100)
INSTALLATION_DESCRIPTION		VARCHAR2(255)

- SagarKSoftware Table

```

create table SagarKSoftware
(
  Software_ID varchar2(5) not null,
  Software_Type varchar2(100),
  Software_Description varchar2(255),
  constraint pk_sid primary key (Software_ID)
);
desc table SagarKSoftware;

```

Script Output x Query Result x

Task completed in 0.032 seconds

Table SAGARKSOFTWARE created.

Name	Null	Type
SOFTWARE_ID	NOT NULL	VARCHAR2(5)
SOFTWARE_TYPE		VARCHAR2(100)
SOFTWARE_DESCRIPTION		VARCHAR2(255)

- SagarKSoftware_Exhibition.

```

create table SagarKSoftware_Exhibition
(
  Software_ID varchar2(5),
  Exhibition_ID varchar2(7),
  constraint fk_soid foreign key (Software_ID) references SagarKSoftware,
  constraint fk_exnid foreign key (Exhibition_ID) references SagarKExhibition
);
desc SagarKSoftware_Exhibition;

```

Script Output x Query Result x

Task completed in 0.015 seconds

Table SAGARKSOFTWARE_EXHIBITION created.

Name	Null	Type
SOFTWARE_ID		VARCHAR2(5)
EXHIBITION_ID		VARCHAR2(7)

- SagarKStaff.

```

create table SagarKStaff
(
  Staff_ID varchar2(5) not null,
  Staff_First_Name varchar2(25),
  Staff_Second_Name varchar2(25),
  Staff_Last_Name varchar2(25),
  Staff_Role_Id varchar2(6),
  constraint pk_si primary key (Staff_ID),
  constraint fk_stri foreign key (Staff_Role_ID) references SagarKStaff_Role
);
desc table SagarKStaff;

```

Script Output x Query Result x

Task completed in 0.016 seconds

Table SAGARKSTAFF created.

Name	Null	Type
STAFF_ID	NOT NULL	VARCHAR2(5)
STAFF_FIRST_NAME		VARCHAR2(25)
STAFF_SECOND_NAME		VARCHAR2(25)
STAFF_LAST_NAME		VARCHAR2(25)
STAFF_ROLE_ID		VARCHAR2(6)

- SagarkStaff_Role.

```

create table SagarkStaff_Role
(
  Staff_Role_ID varchar2(6) not null,
  Staff_Role varchar2(50),
  constraint pk_sri primary key (Staff_Role_ID)
);
desc table SagarkStaff_Role;

```

Script Output x Query Result x

Task completed in 0.022 seconds

Table SAGARKSTAFF_ROLE created.

Name	Null	Type
STAFF_ROLE_ID	NOT NULL	VARCHAR2(6)
STAFF_ROLE		VARCHAR2(50)

- SagarkCustomer

```

create table SagarkCustomer
(
  Customer_number varchar2(5) not null,
  Customer_Name varchar2(255),
  constraint pk_cn primary key (Customer_number)
);
desc table SagarkCustomer;

```

Script Output x Query Result x

Task completed in 0.015 seconds

Table SAGARKCUSTOMER created.

Name	Null	Type
CUSTOMER_NUMBER	NOT NULL	VARCHAR2(5)
CUSTOMER_NAME		VARCHAR2(255)

b. Insertion of data on all the exhibitions shown in assignment.

All the data shown in the assignment In the exhibitions are insearted.

```

insert into SagarKExhibition
values ('E111','Ideal Holiday Exhibition','Olympia London','Hammersmith Road','Kensington','London W148Ux','01-JUN-2017','05-JUN-2017','ET01');
insert into SagarKExhibition
values('E115','Stampex','Islinton Arts Factory','2 Parkhusr Rd',null,'London N7 0SF','27-JUN-2017','28-JUN-2017','ET02');
insert into SagarKExhibition
values ('E119','Visit Britian (Yorkshire)','WeetwoodHallLeed Hotel and ConferenceCentre','Otley Rd','', 'Leeds LS165PS','29-JUL-2017',null,'ET01');
insert into SagarKExhibition
values('E120','Visit Britian(Cornwall)','St Austell Conference Centre','St Austell Business Park',null,'Saint Austell PL254EJ','01-AUG-2017','3-AUG-2017','ET01');
insert into SagarKExhibition
values ('E122','Plumbing UK 2017','Olympia London','Hammersmith Road',null,'London W148UX','1-AUG-2017','3-AUG-2017','ET01');
insert into SagarKExhibition
values('E145','New Horizons in Education','ExCel London','One Western Gateway','Royal Victoria Dock','London E161XL','7-AUG-2017',null,'ET03');
select *
from SagarKExhibition;

```

Script Output x Query Result x

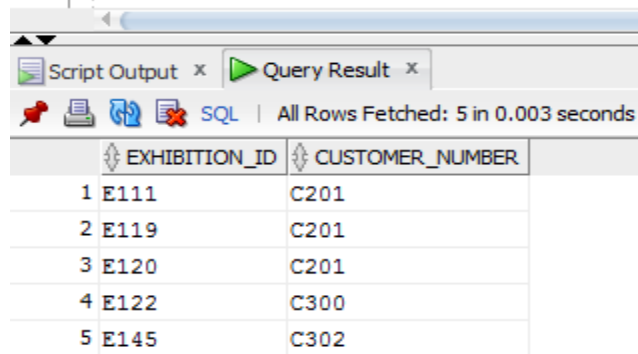
SQL | All Rows Fetched: 5 in 0.016 seconds

EXHIBITION_ID	EXHIBITION_NAME	HALL_NAME	STREET_NAME	STATE_NAME	ZIP_CODE	START_DATE
1 E111	Ideal Holiday Exhibition	Olympia London	Hammersmith Road	Kensington	London W148Ux	01-JUN-17
2 E119	Visit Britian (Yorkshire)	WeetwoodHallLeed Hotel and ConferenceCentre	Otley Rd	(null)	Leeds LS165PS	29-JUL-17
3 E120	Visit Britian(Cornwall)	St Austell Conference Centre	St Austell Business Park	(null)	Saint Austell PL254EJ	01-AUG-17
4 E122	Plumbing UK 2017	Olympia London	Hammersmith Road	(null)	London W148UX	01-AUG-17
5 E145	New Horizons in Education	ExCel London	One Western Gateway	Royal Victoria Dock	London E161XL	07-AUG-17

c. Insertion of data for all the costumers and association with exhibitions.

Data insertion for customers as shown below:

```
insert into SagarKExhibition_Customer
values ('E111','C201');
insert into SagarKExhibition_Customer
values ('E115','C112');
insert into SagarKExhibition_Customer
values ('E119','C201');
insert into SagarKExhibition_Customer
values ('E120','C201');
insert into SagarKExhibition_Customer
values ('E122','C300');
insert into SagarKExhibition_Customer
values ('E145','C302');
select *
from SagarKExhibition_Customer;
```



	EXHIBITION_ID	CUSTOMER_NUMBER
1	E111	C201
2	E119	C201
3	E120	C201
4	E122	C300
5	E145	C302

- d. Data entry on staff and exhibitions they are working at.

```
insert into SagarkExhibition_Staff
values ('E111','S204');
insert into SagarkExhibition_Staff
values ('E111','S602');
insert into SagarkExhibition_Staff
values ('E111','S405');
insert into SagarkExhibition_Staff
values ('E115','S601');
insert into SagarkExhibition_Staff
values ('E115','S405');
insert into SagarkExhibition_Staff
values ('E122','S333');
insert into SagarkExhibition_Staff
values ('E145','S567');
select *
from SagarkExhibition_Staff;
```

Script Output x Query Result x

SQL | All Rows Fetched: 6 in 0.047 seconds

	EXHIBITION_ID	STAFF_ID
1	E111	S102
2	E111	S204
3	E111	S602
4	E111	S405
5	E122	S333
6	E145	S567

- e. Query to select all the exhibitions for the Travel Association of Great Britian.

```
select EB.Exhibition_Name, cu.Customer_Name
from SagarkExhibition EB, SagarkCustomer Cu ,SagarkExhibition_Customer EC
where Cu.Customer_Number=EC.Customer_Number and
EB.Exhibition_ID=EC.Exhibition_ID and
Cu.Customer_Name='Travel Association of Great Britian';
```

Script Output x Query Result x

SQL | All Rows Fetched: 3 in 0.16 seconds

	EXHIBITION_NAME	CUSTOMER_NAME
1	Ideal Holiday Exhibition	Travel Association of Great Britian
2	Visit Britian (Yorkshire)	Travel Association of Great Britian
3	Visit Britian(Cornwall)	Travel Association of Great Britian

- f. Query to select the staff that work in software support.

```
select ST.Staff_First_Name,ST.Staff_Second_Name,ST.Staff_Last_Name, SR.Staff_Role
from SagarkStaff ST, SagarkStaff_Role SR
where ST.Staff_Role_ID=SR.Staff_Role_ID and
SR.Staff_Role='Software Support';
```

Script Output x Query Result x

SQL | All Rows Fetched: 2 in 0.016 seconds

	STAFF_FIRST_NAME	STAFF_SECOND_NAME	STAFF_LAST_NAME	STAFF_ROLE
1	Nathan	(null)	Banes	Software Support
2	Sharon	(null)	Smith	Software Support

- g. Query to select all the exhibition details for exhibitions at Olympia.

```
select E.Exhibition_ID ,S.Software_Type, S.Software_Description
from SagarkExhibition E, SagarkSoftware S, SagarkSoftware_Exhibition SE
where E.Exhibition_ID=SE.Exhibition_ID and
S.Software_ID=SE.Software_ID and
E.Hall_Name='Olympia London';
```

Script Output x Query Result x

SQL | All Rows Fetched: 2 in 0 seconds

	EXHIBITION_ID	SOFTWARE_TYPE	SOFTWARE_DESCRIPTION
1	E111	Interactive Search Application	PHP front end/ HTML website with back end MySQL database. Data containing details of holiday destination in Britain
2	E111	Slide Show	Power Point

- h. Query to count all trade exhibitions.

```
select count(Exhibition_type) as Exhibition_type_
from SagarkExhibition E, SagarkExhibition_type ET
where E.Exhibition_type_ID=ET.Exhibition_type_ID and
ET.Exhibition_type='Trade Exhibition';
```

Script Output x Query Result x

SQL | All Rows Fetched: 1 in 0 seconds

	EXHIBITION_TYPE_
1	4

- i. Query to show the staff working at stamp exhibition.

```
select S.Staff_First_Name,S.Staff_Second_Name,S.Staff_Last_Name,ET.Exhibition_Type
from SagarkExhibition E, SagarkStaff S,SagarkExhibition_Staff ES, SagarkExhibition_Type ET
where E.Exhibition_ID=ES.Exhibition_ID and
S.Staff_ID=ES.Staff_ID and
ET.Exhibition_type_ID=E.Exhibition_type_ID and
ET.Exhibition_Type='Stamp Exhibition';
```

STAFFFIRSTNAME	STAFFSECONDNAME	STAFFLASTNAME	EXHIBITIONTYPE
1 Sahib	Badri	Atiyeh	Stamp Exhibition
2 Pauline	(null)	West	Stamp Exhibition

- j. Item table update so that Sharon Smith has changed jobs to Software Project Manager.

```
insert into SagarkStaff_Role
values('R230','Software Project Manager');
select * from SagarkStaff_Role;
```

STAFF_ROLE_ID	STAFF_ROLE
1 SR1	Stand Fitter
2 SR2	Software Support
3 SR3	Exhibition Assistant
4 SR4	Project Manager
5 SR5	Installation Designer
6 R230	Software Project Manager

The updated table is as shown below:

```
update SagarkStaff set staff_Role_ID='R230'
where Staff_Role_ID='SR2';
select * from SagarkStaff
where Staff_First_Name='Sharon';
```

STAFF_ID	STAFF_FIRST_NAME	STAFF_SECOND_NAME	STAFF_LAST_NAME	STAFF_ROLE_ID
1 S204	Sharon	(null)	Smith	R230

n. Delete Staff record for Sandy Niles.

```
delete from SagarKStaff
where Staff_First_Name='Sandy';
select * from SagarKStaff;
```

Script Output x Query Result x Query Result 1 x

SQL | All Rows Fetched: 9 in 0 seconds

	STAFF_ID	STAFF_FIRST_NAME	STAFF_SECOND_NAME	STAFF_LAST_NAME	STAFF_ROLE_ID
1	S102	Larry	(null)	Howard	SR1
2	S105	Nathan	(null)	Banes	R230
3	S204	Sharon	(null)	Smith	R230
4	S333	Fatin	(null)	Koury	SR1
5	S405	Sahib	Badri	Atiyeh	SR3
6	S431	Diana	(null)	West	SR3
7	S567	Ellen	(null)	Levelby	SR4
8	S601	Pauline	(null)	Yardley	SR5
9	S602	Sandy	(null)	Niles	SR1

Task 3 - Assessment

- Understanding of requirements. (Business directoty.com, 2017)

Synergy exhibition services given me a task and provided me a scenario. All the documents required are also given as per the requirement of the customer. We were required to normalize all the table given and make a relational table. After the normalization i managed to create 11 tables relating each other some connecting tables also falls under these tables. My first requirement to create tables was a oracle SQL developer to create all the tables. All the datas were also inserted using SQL developer tool. While creating table some of the tables need to create primary key and add primary key id, which were all not given in the assignment. While creating the relational tables I used visual paradigm. The name of tables created are SagarKCustomer, SagarKStaff_Exhibition, SagarK_Staff, SagarKStaff_Role, SagarKExhibition_Customer, SagarKExhibition, SagarKSoftware_Exhibition, SagarKInstallation, SagarKInstallation_Exhibition, SagarKExhibitionType, SagarKSoftware.

- Initial design meet requirements.

In order to meet all the requirements firstly i normalized the Exhibition summary sheet into 1 normal form to the 3 normal form. Hence totally normalized tables were obtained. Again Staff Record Sheet table was also normalized to 3 normal form and totally normalized table was obtained. Again last but not least table Staff Exhibition Record table was also Normalized to 3 normal form. Hence 11 tables were obtained after creating relational table. Thus created tables are SagarKCustomer, SagarKStaff_Exhibition, SagarK_Staff, SagarKStaff_Role, SagarKExhibition_Customer, SagarKExhibition, SagarKSoftware_Exhibition, SagarKInstallation, SagarKInstallation_Exhibition, SagarKExhibitionType, SagarKSoftware.

- Assessment to show how requirements were met.
All the requirements were met when all the tables were combined after creating relational diagram of all the table. Thus formed 11 tables took towards the success. Rest of the task was based in the command done in SQL developer. All table creation, data insertion and all the related tasks were done and shown in the task 2. In this way 11 tables were created SagarKCustomer, SagarKStaff_Exhibition, SagarK_Staff, SagarKStaff_Role, SagarKExhibition_Customer, SagarKExhibition, SagarKSoftware_Exhibition, SagarKInstallation, SagarKInstallation_Exhibition, SagarKExhibitionType, SagarKSoftware.

Conclusion

The overall task was completed using all the knowledge of database. In task 1 creation of relational model was done and the identification of primary key foreign key all tasks were done. In the task 2 we were asked to show our knowledge related to database. We were asked to create table, insert data, alter table, Update, select etc were done in the task 2. I think the synergy exhibition company now will be able to do the project given by its customer.

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