

SAP PowerDesigner Physical Data Model Report

***Model: Assignment 4.3.c
Report: Full Physical Report***



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Summary:

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The 'Table of Contents' field needs to be updated!

I Specifications

Include specifications here...

II Model information

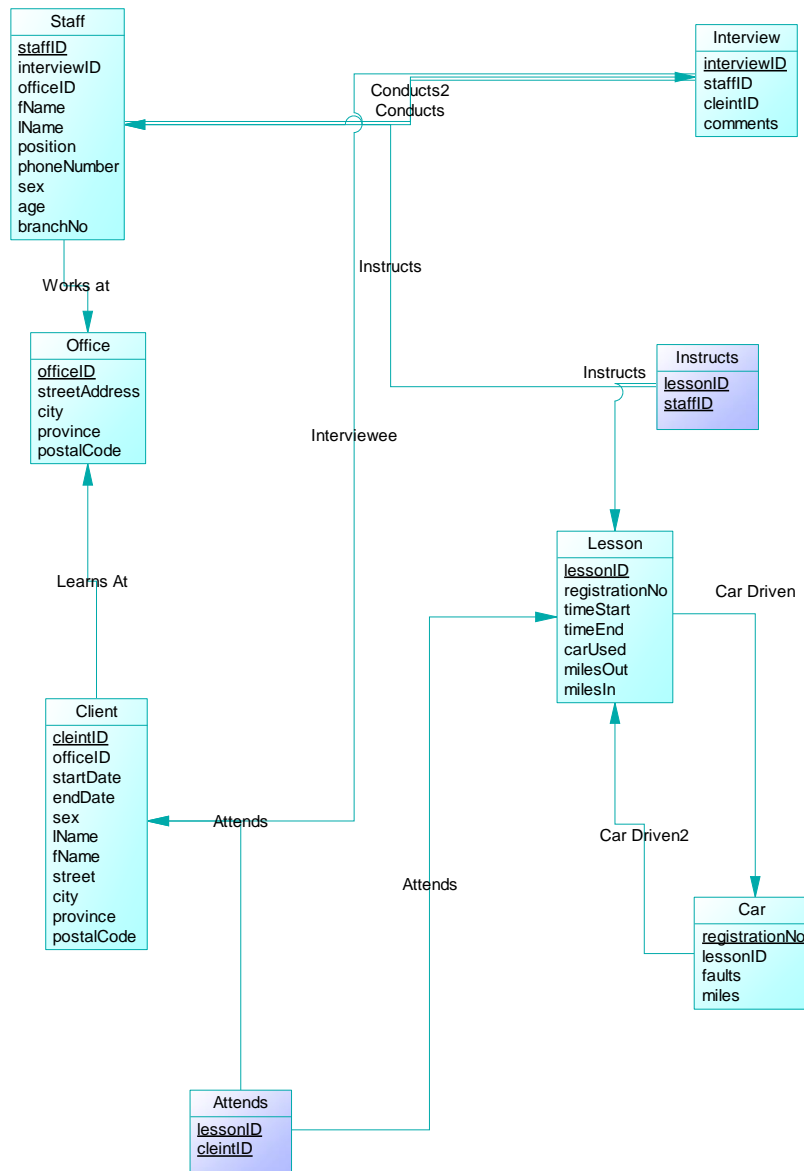
II.1 Card of model Assignment 4.3.c

| | |
|----------|---------------------|
| Name | Assignment 4.3.c |
| Code | ASSIGNMENT_4_3_C |
| Comment | |
| DBMS | SAP SQL Anywhere 17 |
| Database | <None> |

III PDM Diagrams

III.1 Model level diagrams

III.1.1 Diagram CDM



IV Physical diagrams objects

IV.1 References

IV.1.1 Model level references

IV.1.1.1 List of references

| Name | Code | Parent Table | Child Table |
|-------------|-------------|--------------|-------------|
| Attends | ATTENDS | Lesson | Attends |
| Attends | ATTENDS2 | Client | Attends |
| Car Driven | CAR_DRIVEN | Car | Lesson |
| Car Driven2 | CAR_DRIVEN2 | Lesson | Car |
| Conducts | CONDUCTS | Interview | Staff |
| Conducts2 | CONDUCTS2 | Staff | Interview |
| Instructs | INSTRUCTS2 | Staff | Instructs |
| Instructs | INSTRUCTS | Lesson | Instructs |
| Interviewee | INTERVIEWEE | Client | Interview |
| Learns At | LEARNS_AT | Office | Client |
| Works at | WORKS_AT | Office | Staff |

IV.1.1.2 Reference Attends

IV.1.1.2.1 Card of reference Attends

| | |
|--------------|---------|
| Name | Attends |
| Code | ATTENDS |
| Parent Table | Lesson |
| Child Table | Attends |

IV.1.1.2.2 Code preview of the reference Attends

```
if exists(select 1 from sys.sysforeignkey where role='FK_ATTENDS_ATTENDS_LESSON') then
  alter table ATTENDS
    delete foreign key FK_ATTENDS_ATTENDS_LESSON
end if;
```

```
alter table ATTENDS
  add constraint FK_ATTENDS_ATTENDS_LESSON foreign key (LESSONID)
    references LESSON (LESSONID)
    on update restrict
    on delete restrict;
```

IV.1.1.2.3 List of diagrams containing the reference Attends

| Name | Code |
|------|------|
|------|------|

| | |
|-----|-----|
| CDM | CDM |
|-----|-----|

IV.1.1.2.4 List of reference joins of the reference Attends

| Parent Table Column | Child Table Column |
|---------------------|--------------------|
| lessonID | lessonID |

IV.1.1.3 Reference Attends

IV.1.1.3.1 Card of reference Attends

| | |
|--------------|----------|
| Name | Attends |
| Code | ATTENDS2 |
| Parent Table | Client |
| Child Table | Attends |

IV.1.1.3.2 Code preview of the reference Attends

```
if exists(select 1 from sys.sysforeignkey where role='FK_ATTENDS_ATTENDS2_CLIENT') then
  alter table ATTENDS
    delete foreign key FK_ATTENDS_ATTENDS2_CLIENT
end if;
```

```
alter table ATTENDS
  add constraint FK_ATTENDS_ATTENDS2_CLIENT foreign key (CLEINTID)
    references CLIENT (CLEINTID)
    on update restrict
    on delete restrict;
```

IV.1.1.3.3 List of diagrams containing the reference Attends

| Name | Code |
|------|------|
| CDM | CDM |

IV.1.1.3.4 List of reference joins of the reference Attends

| Parent Table Column | Child Table Column |
|---------------------|--------------------|
| cleintID | cleintID |

IV.1.1.4 Reference Car Driven

IV.1.1.4.1 Card of reference Car Driven

| | |
|--------------|------------|
| Name | Car Driven |
| Code | CAR_DRIVEN |
| Parent Table | Car |
| Child Table | Lesson |

IV.1.1.4.2 Code preview of the reference Car Driven

```

if exists(select 1 from sys.sysforeignkey where role='FK_LESSON_CAR_DRIVE_CAR') then
  alter table LESSON
    delete foreign key FK_LESSON_CAR_DRIVE_CAR
end if;

```

```

alter table LESSON
  add constraint FK_LESSON_CAR_DRIVE_CAR foreign key (REGISTRATIONNO)
    references CAR (REGISTRATIONNO)
    on update restrict
    on delete restrict;

```

IV.1.1.4.3 List of diagrams containing the reference Car Driven

| Name | Code |
|------|------|
| CDM | CDM |

IV.1.1.4.4 List of reference joins of the reference Car Driven

| Parent Table Column | Child Table Column |
|---------------------|--------------------|
| registrationNo | registrationNo |

IV.1.1.5 Reference Car Driven2**IV.1.1.5.1 Card of reference Car Driven2**

| | |
|--------------|-------------|
| Name | Car Driven2 |
| Code | CAR_DRIVEN2 |
| Parent Table | Lesson |
| Child Table | Car |

IV.1.1.5.2 Code preview of the reference Car Driven2

```

if exists(select 1 from sys.sysforeignkey where role='FK_CAR_CAR_DRIVE_LESSON') then
  alter table CAR
    delete foreign key FK_CAR_CAR_DRIVE_LESSON
end if;

```

```

alter table CAR
  add constraint FK_CAR_CAR_DRIVE_LESSON foreign key (LESSONID)
    references LESSON (LESSONID)
    on update restrict
    on delete restrict;

```

IV.1.1.5.3 List of diagrams containing the reference Car Driven2

| Name | Code |
|------|------|
|------|------|

| | |
|-----|-----|
| CDM | CDM |
|-----|-----|

IV.1.1.5.4 List of reference joins of the reference Car Driven2

| Parent Table Column | Child Table Column |
|---------------------|--------------------|
| lessonID | lessonID |

IV.1.1.6 Reference Conducts

IV.1.1.6.1 Card of reference Conducts

| | |
|--------------|-----------|
| Name | Conducts |
| Code | CONDUCTS |
| Parent Table | Interview |
| Child Table | Staff |

IV.1.1.6.2 Code preview of the reference Conducts

```
if exists(select 1 from sys.sysforeignkey where role='FK_STAFF_CONDUCTS_INTERVIE') then
  alter table STAFF
    delete foreign key FK_STAFF_CONDUCTS_INTERVIE
end if;
```

```
alter table STAFF
  add constraint FK_STAFF_CONDUCTS_INTERVIE foreign key (INTERVIEWID)
    references INTERVIEW (INTERVIEWID)
    on update restrict
    on delete restrict;
```

IV.1.1.6.3 List of diagrams containing the reference Conducts

| Name | Code |
|------|------|
| CDM | CDM |

IV.1.1.6.4 List of reference joins of the reference Conducts

| Parent Table Column | Child Table Column |
|---------------------|--------------------|
| interviewID | interviewID |

IV.1.1.7 Reference Conducts2

IV.1.1.7.1 Card of reference Conducts2

| | |
|--------------|-----------|
| Name | Conducts2 |
| Code | CONDUCTS2 |
| Parent Table | Staff |
| Child Table | Interview |

IV.1.1.7.2 Code preview of the reference Conducts2

```

if exists(select 1 from sys.sysforeignkey where role='FK_INTERVIE_CONDUCTS2_STAFF') then
  alter table INTERVIEW
    delete foreign key FK_INTERVIE_CONDUCTS2_STAFF
end if;

```

```

alter table INTERVIEW
add constraint FK_INTERVIE_CONDUCTS2_STAFF foreign key (STAFFID)
references STAFF (STAFFID)
on update restrict
on delete restrict;

```

IV.1.1.7.3 List of diagrams containing the reference Conducts2

| Name | Code |
|------|------|
| CDM | CDM |

IV.1.1.7.4 List of reference joins of the reference Conducts2

| Parent Table Column | Child Table Column |
|---------------------|--------------------|
| staffID | staffID |

IV.1.1.8 Reference Instructs**IV.1.1.8.1 Card of reference Instructs**

| | |
|--------------|------------|
| Name | Instructs |
| Code | INSTRUCTS2 |
| Parent Table | Staff |
| Child Table | Instructs |

IV.1.1.8.2 Code preview of the reference Instructs

```

if exists(select 1 from sys.sysforeignkey where role='FK_INSTRUCT_INSTRUCTS_STAFF') then
  alter table INSTRUCTS
    delete foreign key FK_INSTRUCT_INSTRUCTS_STAFF
end if;

```

```

alter table INSTRUCTS
add constraint FK_INSTRUCT_INSTRUCTS_STAFF foreign key (STAFFID)
references STAFF (STAFFID)
on update restrict
on delete restrict;

```

IV.1.1.8.3 List of diagrams containing the reference Instructs

| Name | Code |
|------|------|
|------|------|

| | |
|-----|-----|
| CDM | CDM |
|-----|-----|

IV.1.1.8.4 List of reference joins of the reference Instructs

| Parent Table Column | Child Table Column |
|---------------------|--------------------|
| staffID | staffID |

IV.1.1.9 Reference Instructs

IV.1.1.9.1 Card of reference Instructs

| | |
|--------------|-----------|
| Name | Instructs |
| Code | INSTRUCTS |
| Parent Table | Lesson |
| Child Table | Instructs |

IV.1.1.9.2 Code preview of the reference Instructs

```
if exists(select 1 from sys.sysforeignkey where role='FK_INSTRUCT_INSTRUCTS_LESSON') then
  alter table INSTRUCTS
    delete foreign key FK_INSTRUCT_INSTRUCTS_LESSON
end if;
```

```
alter table INSTRUCTS
  add constraint FK_INSTRUCT_INSTRUCTS_LESSON foreign key (LESSONID)
    references LESSON (LESSONID)
    on update restrict
    on delete restrict;
```

IV.1.1.9.3 List of diagrams containing the reference Instructs

| Name | Code |
|------|------|
| CDM | CDM |

IV.1.1.9.4 List of reference joins of the reference Instructs

| Parent Table Column | Child Table Column |
|---------------------|--------------------|
| lessonID | lessonID |

IV.1.1.10 Reference Interviewee

IV.1.1.10.1 Card of reference Interviewee

| | |
|--------------|-------------|
| Name | Interviewee |
| Code | INTERVIEWEE |
| Parent Table | Client |
| Child Table | Interview |

IV.1.1.10.2 Code preview of the reference Interviewee

```

if exists(select 1 from sys.sysforeignkey where role='FK_INTERVIEW_INTERVIEW_CLIENT') then
  alter table INTERVIEW
    delete foreign key FK_INTERVIEW_INTERVIEW_CLIENT
end if;

```

```

alter table INTERVIEW
  add constraint FK_INTERVIEW_INTERVIEW_CLIENT foreign key (CLEINTID)
    references CLIENT (CLEINTID)
    on update restrict
    on delete restrict;

```

IV.1.1.10.3 List of diagrams containing the reference Interviewee

| Name | Code |
|------|------|
| CDM | CDM |

IV.1.1.10.4 List of reference joins of the reference Interviewee

| Parent Table Column | Child Table Column |
|---------------------|--------------------|
| cleintID | cleintID |

IV.1.1.11 Reference Learns At**IV.1.1.11.1 Card of reference Learns At**

| | |
|--------------|-----------|
| Name | Learns At |
| Code | LEARNS_AT |
| Parent Table | Office |
| Child Table | Client |

IV.1.1.11.2 Code preview of the reference Learns At

```

if exists(select 1 from sys.sysforeignkey where role='FK_CLIENT_LEARNS_AT_OFFICE') then
  alter table CLIENT
    delete foreign key FK_CLIENT_LEARNS_AT_OFFICE
end if;

```

```

alter table CLIENT
  add constraint FK_CLIENT_LEARNS_AT_OFFICE foreign key (OFFICEID)
    references OFFICE (OFFICEID)
    on update restrict
    on delete restrict;

```

IV.1.1.11.3 List of diagrams containing the reference Learns At

| Name | Code |
|------|------|
|------|------|

| | |
|-----|-----|
| CDM | CDM |
|-----|-----|

IV.1.1.11.4 List of reference joins of the reference Learns At

| Parent Table Column | Child Table Column |
|---------------------|--------------------|
| officeID | officeID |

IV.1.1.12 Reference Works at

IV.1.1.12.1 Card of reference Works at

| | |
|--------------|----------|
| Name | Works at |
| Code | WORKS_AT |
| Parent Table | Office |
| Child Table | Staff |

IV.1.1.12.2 Code preview of the reference Works at

```
if exists(select 1 from sys.sysforeignkey where role='FK_STAFF_WORKS_AT_OFFICE') then
  alter table STAFF
    delete foreign key FK_STAFF_WORKS_AT_OFFICE
end if;
```

```
alter table STAFF
  add constraint FK_STAFF_WORKS_AT_OFFICE foreign key (OFFICEID)
    references OFFICE (OFFICEID)
    on update restrict
    on delete restrict;
```

IV.1.1.12.3 List of diagrams containing the reference Works at

| Name | Code |
|------|------|
| CDM | CDM |

IV.1.1.12.4 List of reference joins of the reference Works at

| Parent Table Column | Child Table Column |
|---------------------|--------------------|
| officeID | officeID |

IV.2Tables

IV.2.1 Model level tables

IV.2.1.1 List of tables

| Name | Code |
|-----------|-----------|
| Attends | ATTENDS |
| Car | CAR |
| Client | CLIENT |
| Instructs | INSTRUCTS |
| Interview | INTERVIEW |
| Lesson | LESSON |
| Office | OFFICE |
| Staff | STAFF |

IV.2.1.2 List of table columns

| Name | Code |
|----------------|----------------|
| staffID | STAFFID |
| interviewID | INTERVIEWID |
| officeID | OFFICEID |
| fName | FNAME |
| lName | LNAME |
| position | POSITION |
| phoneNumber | PHONENUMBER |
| sex | SEX |
| age | AGE |
| branchNo | BRANCHNO |
| cleintID | CLEINTID |
| officeID | OFFICEID |
| startDate | STARTDATE |
| endDate | ENDDATE |
| sex | SEX |
| lName | LNAME |
| fName | FNAME |
| street | STREET |
| city | CITY |
| province | PROVINCE |
| postalCode | POSTALCODE |
| registrationNo | REGISTRATIONNO |
| lessonID | LESSONID |
| faults | FAULTS |
| miles | MILES |
| lessonID | LESSONID |

| | |
|----------------|----------------|
| registrationNo | REGISTRATIONNO |
| timeStart | TIMESTART |
| timeEnd | TIMEEND |
| carUsed | CARUSED |
| milesOut | MILESOUT |
| milesIn | MILESIN |
| officeID | OFFICEID |
| streetAddress | STREETADDRESS |
| city | CITY |
| province | PROVINCE |
| postalCode | POSTALCODE |
| interviewID | INTERVIEWID |
| staffID | STAFFID |
| cleintID | CLEINTID |
| comments | COMMENTS |
| lessonID | LESSONID |
| staffID | STAFFID |
| lessonID | LESSONID |
| cleintID | CLEINTID |

IV.2.1.3 List of table keys

| Name | Code | Table |
|----------------|----------------|-----------|
| Identifier_1 | IDENTIFIER_1 | Staff |
| clientID | CLIENTID | Client |
| registrationNo | REGISTRATIONNO | Car |
| lessonID | LESSONID | Lesson |
| Identifier_1 | IDENTIFIER_1 | Office |
| interviewID | INTERVIEWID | Interview |
| Identifier_1 | IDENTIFIER_1 | Instructs |
| Identifier_1 | IDENTIFIER_1 | Attends |

IV.2.1.4 List of table indexes

| Name | Code | Unique | Cluster | Primary | Foreign Key | Alternate Key | Table |
|--------------|--------------|--------|---------|---------|-------------|---------------|--------|
| STAFF_PK | STAFF_PK | X | X | X | | | Staff |
| CONDUCTS_FK | CONDUCTS_FK | | | | X | | Staff |
| WORKS_AT_FK | WORKS_AT_FK | | | | X | | Staff |
| CLIENT_PK | CLIENT_PK | X | X | X | | | Client |
| LEARNS_AT_FK | LEARNS_AT_FK | | | | X | | Client |

| | | | | | | | |
|----------------|----------------|---|---|---|---|--|-----------|
| CAR_PK | CAR_PK | X | X | X | | | Car |
| CAR_DRIVEN2_FK | CAR_DRIVEN2_FK | | | | X | | Car |
| LESSON_PK | LESSON_PK | X | X | X | | | Lesson |
| CAR_DRIVEN_FK | CAR_DRIVEN_FK | | | | X | | Lesson |
| OFFICE_PK | OFFICE_PK | X | X | X | | | Office |
| INTERVIEW_PK | INTERVIEW_PK | X | X | X | | | Interview |
| CONDUCTS2_FK | CONDUCTS2_FK | | | | X | | Interview |
| INTERVIEWEE_FK | INTERVIEWEE_FK | | | | X | | Interview |
| INSTRUCTS_PK | INSTRUCTS_PK | X | X | X | | | Instructs |
| INSTRUCTS2_FK | INSTRUCTS2_FK | | | | X | | Instructs |
| INSTRUCTS_FK | INSTRUCTS_FK | | | | X | | Instructs |
| ATTENDS_PK | ATTENDS_PK | X | X | X | | | Attends |
| ATTENDS2_FK | ATTENDS2_FK | | | | X | | Attends |
| ATTENDS_FK | ATTENDS_FK | | | | X | | Attends |

IV.2.1.5 Table Attends

IV.2.1.5.1 Card of table Attends

| | |
|------|---------------------|
| Name | Attends |
| Code | ATTENDS |
| DBMS | SAP SQL Anywhere 17 |

IV.2.1.5.2 Check constraint name of the table Attends

CKT_ATTENDS

IV.2.1.5.3 Server validation rule of the table Attends

%RULES%

IV.2.1.5.4 Code preview of the table Attends

```
if exists(select 1 from sys.sysforeignkey where role='FK_ATTENDS_ATTENDS_LESSON') then
    alter table ATTENDS
        delete foreign key FK_ATTENDS_ATTENDS_LESSON
end if;
```

```
if exists(select 1 from sys.sysforeignkey where role='FK_ATTENDS_ATTENDS2_CLIENT') then
    alter table ATTENDS
```



```
        delete foreign key FK_ATTENDS_ATTENDS2_CLIENT
    end if;

drop index if exists ATTENDS.ATTENDS_FK;

drop index if exists ATTENDS.ATTENDS2_FK;

drop index if exists ATTENDS.ATTENDS_PK;

drop table if exists ATTENDS;

/*=====*/
/* Table: ATTENDS                                */
/*=====*/
create or replace table ATTENDS
(
    LESSONID      varchar(5)      not null,
    CLEINTID      varchar(5)      not null,
    constraint PK_ATTENDS primary key clustered (LESSONID, CLEINTID)
);

/*=====*/
/* Index: ATTENDS_PK                            */
/*=====*/
create unique clustered index ATTENDS_PK on ATTENDS (
    LESSONID ASC,
    CLEINTID ASC
);

/*=====*/
/* Index: ATTENDS2_FK                          */
/*=====*/
create index ATTENDS2_FK on ATTENDS (
    CLEINTID ASC
);

/*=====*/
/* Index: ATTENDS_FK                          */
/*=====*/
create index ATTENDS_FK on ATTENDS (
    LESSONID ASC
);

alter table ATTENDS
    add constraint FK_ATTENDS_ATTENDS2_CLIENT foreign key (CLEINTID)
        references CLIENT (CLEINTID)
        on update restrict
        on delete restrict;

alter table ATTENDS
    add constraint FK_ATTENDS_ATTENDS2_CLIENT foreign key (LESSONID)
        references LESSON (LESSONID)
        on update restrict
        on delete restrict;
```

IV.2.1.5.5 List of diagrams containing the table Attends

| Name | Code |
|------|------|
| CDM | CDM |

IV.2.1.5.6 List of outgoing references of the table Attends

| Name | Code | Foreign Key Columns |
|---------|----------|---------------------|
| Attends | ATTENDS2 | cleintID |
| Attends | ATTENDS | lessonID |

IV.2.1.5.7 List of all dependencies of the table Attends

| Name | Code | Class Name |
|---------|----------|------------|
| Attends | ATTENDS2 | Reference |
| Attends | ATTENDS | Reference |

IV.2.1.5.8 List of extended attributes of the table Attends

| Name | Data Type | Value | Target Name |
|-----------------|-------------------|-------|---------------------|
| At | (Physical Option) | | SAP SQL Anywhere 17 |
| DbospaceIn | (Physical Option) | | SAP SQL Anywhere 17 |
| Encrypted | (Physical Option) | false | SAP SQL Anywhere 17 |
| PctFree | (Integer) | | SAP SQL Anywhere 17 |
| SelectStatement | (Physical Option) | | SAP SQL Anywhere 17 |
| TemporaryTable | (String) | | SAP SQL Anywhere 17 |

IV.2.1.5.9 List of columns of the table Attends

| Name | Code |
|----------|----------|
| lessonID | LESSONID |
| cleintID | CLEINTID |

IV.2.1.5.10 Column lessonID of the table Attends**IV.2.1.5.10.1 Card of the column lessonID of the table Attends**

| | |
|-----------|------------|
| Name | lessonID |
| Code | LESSONID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.5.10.2 Check constraint name of the column lessonID of the table Attends

CKC_LESSONID_ATTENDS

IV.2.1.5.10.3 Check of the column lessonID of the table Attends

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.5.10.4 Server validation rule of the column lessonID of the table Attends

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.5.10.5 List of all dependencies of the table column lessonID

| Name | Code | Class Name |
|--------------|--------------|----------------|
| Identifier_1 | IDENTIFIER_1 | Key |
| lessonID | LESSONID | Index Column |
| lessonID | LESSONID | Index Column |
| ? | ? | Reference Join |

IV.2.1.5.10.6 List of extended attributes of the table column lessonID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.5.11 Column cleintID of the table Attends**IV.2.1.5.11.1 Card of the column cleintID of the table Attends**

| | |
|-----------|------------|
| Name | cleintID |
| Code | CLEINTID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.5.11.2 Check constraint name of the column cleintID of the table Attends

CKC_CLEINTID_ATTENDS

IV.2.1.5.11.3 Check of the column cleintID of the table Attends

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.5.11.4 Server validation rule of the column cleintID of the table Attends

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.5.11.5 List of all dependencies of the table column cleintID

| Name | Code | Class Name |
|--------------|--------------|----------------|
| cleintID | CLEINTID | Index Column |
| cleintID | CLEINTID | Index Column |
| ? | ? | Reference Join |
| Identifier_1 | IDENTIFIER_1 | Key |

IV.2.1.5.11.6 List of extended attributes of the table column cleintID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.5.12 List of keys of the table Attends

| Name | Code | Primary |
|--------------|--------------|---------|
| Identifier_1 | IDENTIFIER_1 | X |

IV.2.1.5.13 Key Identifier_1 of the table Attends**IV.2.1.5.13.1 Card of the key Identifier_1 of the table Attends**

| | |
|-------|--------------|
| Name | Identifier_1 |
| Code | IDENTIFIER_1 |
| Table | Attends |

IV.2.1.5.13.2 Code preview of the key Identifier_1 of the table Attends

```

if exists(
  select 1 from sys.sysconstraint k
    join sys.systab t on (t.object_id = k.table_object_id and t.table_name='ATTENDS')
  where
    k.constraint_type = 'P'
) then
  alter table ATTENDS
    delete primary key
end if;

```

IV.2.1.5.13.3 List of columns of the table key Identifier_1

| Name | Code |
|----------|----------|
| lessonID | LESSONID |
| cleintID | CLEINTID |

IV.2.1.5.13.4 List of all dependencies of the table key Identifier_1

| Name | Code | Class Name |
|------------|------------|------------|
| ATTENDS_PK | ATTENDS_PK | Index |

IV.2.1.5.14 List of indexes of the table Attends

| Name | Code | Unique | Cluster | Primary | Foreign Key | Alternate Key |
|-------------|-------------|--------|---------|---------|-------------|---------------|
| ATTENDS_PK | ATTENDS_PK | X | X | X | | |
| ATTENDS2_FK | ATTENDS2_FK | | | | X | |
| ATTENDS_FK | ATTENDS_FK | | | | X | |

IV.2.1.5.15 Index ATTENDS_PK of the table Attends**IV.2.1.5.15.1 Card of the index ATTENDS_PK of the table Attends**

| | |
|---------------|------------|
| Name | ATTENDS_PK |
| Code | ATTENDS_PK |
| Unique | Yes |
| Cluster | Yes |
| Primary | Yes |
| Foreign Key | No |
| Alternate Key | No |
| Table | Attends |

IV.2.1.5.15.2 Code preview of the index ATTENDS_PK of the table Attends

drop index if exists ATTENDS.ATTENDS_PK;

```

/*=====*/
/* Index: ATTENDS_PK */
/*=====*/
create unique clustered index ATTENDS_PK on ATTENDS (
LESSONID ASC,
CLEINTID ASC
);

```

IV.2.1.5.15.3 List of index columns of the table index ATTENDS_PK

| Name | Code |
|----------|----------|
| lessonID | LESSONID |
| cleintID | CLEINTID |

IV.2.1.5.15.4 List of extended attributes of the table index ATTENDS_PK

| Name | Data Type | Value | Target Name |
|------|-----------|-------|-------------|
|------|-----------|-------|-------------|

| | | | |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.5.16 Index ATTENDS2_FK of the table Attends

IV.2.1.5.16.1 Card of the index ATTENDS2_FK of the table Attends

| | |
|---------------|-------------|
| Name | ATTENDS2_FK |
| Code | ATTENDS2_FK |
| Unique | No |
| Cluster | No |
| Primary | No |
| Foreign Key | Yes |
| Alternate Key | No |
| Table | Attends |

IV.2.1.5.16.2 Code preview of the index ATTENDS2_FK of the table Attends

drop index if exists ATTENDS.ATTENDS2_FK;

```

/*=====*/
/* Index: ATTENDS2_FK                      */
/*=====*/
create index ATTENDS2_FK on ATTENDS (
CLEINTID ASC
);

```

IV.2.1.5.16.3 List of index columns of the table index ATTENDS2_FK

| Name | Code |
|----------|----------|
| cleintID | CLEINTID |

IV.2.1.5.16.4 List of extended attributes of the table index ATTENDS2_FK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.5.17 Index ATTENDS_FK of the table Attends

IV.2.1.5.17.1 Card of the index ATTENDS_FK of the table Attends

| | |
|---------------|------------|
| Name | ATTENDS_FK |
| Code | ATTENDS_FK |
| Unique | No |
| Cluster | No |
| Primary | No |
| Foreign Key | Yes |
| Alternate Key | No |
| Table | Attends |

IV.2.1.5.17.2 Code preview of the index ATTENDS_FK of the table Attends

drop index if exists ATTENDS.ATTENDS_FK;

```

/*=====*/
/* Index: ATTENDS_FK */
/*=====*/
create index ATTENDS_FK on ATTENDS (
LESSONID ASC
);

```

IV.2.1.5.17.3 List of index columns of the table index ATTENDS_FK

| Name | Code |
|----------|----------|
| lessonID | LESSONID |

IV.2.1.5.17.4 List of extended attributes of the table index ATTENDS_FK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.6 Table Car**IV.2.1.6.1 Card of table Car**

| | |
|------|---------------------|
| Name | Car |
| Code | CAR |
| DBMS | SAP SQL Anywhere 17 |

IV.2.1.6.2 Check constraint name of the table Car

CKT_CAR

IV.2.1.6.3 Server validation rule of the table Car

%RULES%

IV.2.1.6.4 Code preview of the table Car

```
if exists(select 1 from sys.sysforeignkey where role='FK_CAR_CAR_DRIVE_LESSON') then
  alter table CAR
    delete foreign key FK_CAR_CAR_DRIVE_LESSON
end if;
```

```
drop index if exists CAR.CAR_DRIVEN2_FK;
```

```
drop index if exists CAR.CAR_PK;
```

```
drop table if exists CAR;
```

```
/*=====*/
/* Table: CAR */
/*=====*/
```

```
create or replace table CAR
(
  REGISTRATIONNO integer not null,
  LESSONID varchar(5) null,
  FAULTS char(1) null,
  MILES integer null,
  constraint PK_CAR primary key clustered (REGISTRATIONNO)
);
```

```
/*=====*/
/* Index: CAR_PK */
/*=====*/
create unique clustered index CAR_PK on CAR (
  REGISTRATIONNO ASC
);
```

```
/*=====*/
/* Index: CAR_DRIVEN2_FK */
/*=====*/
create index CAR_DRIVEN2_FK on CAR (
  LESSONID ASC
);
```

```
alter table CAR
  add constraint FK_CAR_CAR_DRIVE_LESSON foreign key (LESSONID)
    references LESSON (LESSONID)
    on update restrict
    on delete restrict;
```

IV.2.1.6.5 List of diagrams containing the table Car

| Name | Code |
|------|------|
| CDM | CDM |

IV.2.1.6.6 List of incoming references of the table Car

| Name | Code |
|------------|------------|
| Car Driven | CAR_DRIVEN |

IV.2.1.6.7 List of outgoing references of the table Car

| Name | Code | Foreign Key Columns |
|-------------|-------------|---------------------|
| Car Driven2 | CAR_DRIVEN2 | lessonID |

IV.2.1.6.8 List of all dependencies of the table Car

| Name | Code | Class Name |
|-------------|-------------|------------|
| Car Driven | CAR_DRIVEN | Reference |
| Car Driven2 | CAR_DRIVEN2 | Reference |

IV.2.1.6.9 List of extended attributes of the table Car

| Name | Data Type | Value | Target Name |
|-----------------|-------------------|-------|---------------------|
| At | (Physical Option) | | SAP SQL Anywhere 17 |
| DbpaceIn | (Physical Option) | | SAP SQL Anywhere 17 |
| Encrypted | (Physical Option) | false | SAP SQL Anywhere 17 |
| PctFree | (Integer) | | SAP SQL Anywhere 17 |
| SelectStatement | (Physical Option) | | SAP SQL Anywhere 17 |
| TemporaryTable | (String) | | SAP SQL Anywhere 17 |

IV.2.1.6.10 List of columns of the table Car

| Name | Code |
|----------------|----------------|
| registrationNo | REGISTRATIONNO |
| lessonID | LESSONID |
| faults | FAULTS |
| miles | MILES |

IV.2.1.6.11 Column registrationNo of the table Car**IV.2.1.6.11.1 Card of the column registrationNo of the table Car**

| | |
|-----------|----------------|
| Name | registrationNo |
| Code | REGISTRATIONNO |
| Data Type | integer |
| Mandatory | Yes |

IV.2.1.6.11.2 Check constraint name of the column registrationNo of the table Car

CKC_REGISTRATIONNO_CAR

IV.2.1.6.11.3 Check of the column registrationNo of the table Car

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.6.11.4 Server validation rule of the column registrationNo of the table Car

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.6.11.5 List of all dependencies of the table column registrationNo

| Name | Code | Class Name |
|----------------|----------------|----------------|
| registrationNo | REGISTRATIONNO | Key |
| registrationNo | REGISTRATIONNO | Index Column |
| ? | ? | Reference Join |

IV.2.1.6.11.6 List of extended attributes of the table column registrationNo

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.6.12 Column lessonID of the table Car**IV.2.1.6.12.1 Card of the column lessonID of the table Car**

| | |
|-----------|------------|
| Name | lessonID |
| Code | LESSONID |
| Data Type | varchar(5) |
| Mandatory | No |

IV.2.1.6.12.2 Check constraint name of the column lessonID of the table Car

CKC_LESSONID_CAR

IV.2.1.6.12.3 Check of the column lessonID of the table Car

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.6.12.4 Server validation rule of the column lessonID of the table Car

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.6.12.5 List of all dependencies of the table column lessonID

| Name | Code | Class Name |
|----------|----------|----------------|
| lessonID | LESSONID | Index Column |
| ? | ? | Reference Join |

IV.2.1.6.12.6 List of extended attributes of the table column lessonID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.6.13 Column faults of the table Car**IV.2.1.6.13.1 Card of the column faults of the table Car**

| | |
|-----------|---------|
| Name | faults |
| Code | FAULTS |
| Data Type | char(1) |
| Mandatory | No |

IV.2.1.6.13.2 Check constraint name of the column faults of the table Car

CKC_FAULTS_CAR

IV.2.1.6.13.3 Check of the column faults of the table Car

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.6.13.4 Server validation rule of the column faults of the table Car

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.6.13.5 List of extended attributes of the table column faults

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.6.14 Column miles of the table Car**IV.2.1.6.14.1 Card of the column miles of the table Car**

| | |
|-----------|---------|
| Name | miles |
| Code | MILES |
| Data Type | integer |
| Mandatory | No |

IV.2.1.6.14.2 Check constraint name of the column miles of the table Car

CKC_MILES_CAR

IV.2.1.6.14.3 Check of the column miles of the table Car

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.6.14.4 Server validation rule of the column miles of the table Car

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.6.14.5 List of extended attributes of the table column miles

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.6.15 List of keys of the table Car

| Name | Code | Primary |
|----------------|----------------|---------|
| registrationNo | REGISTRATIONNO | X |

IV.2.1.6.16 Key registrationNo of the table Car**IV.2.1.6.16.1 Card of the key registrationNo of the table Car**

| | |
|-------|----------------|
| Name | registrationNo |
| Code | REGISTRATIONNO |
| Table | Car |

IV.2.1.6.16.2 Code preview of the key registrationNo of the table Car

```
if exists(
  select 1 from sys.sysconstraint k
```

```

join sys.systab t on (t.object_id = k.table_object_id and t.table_name='CAR')
where
  k.constraint_type = 'P'
) then
  alter table CAR
  delete primary key
end if;

```

IV.2.1.6.16.3 List of columns of the table key registrationNo

| Name | Code |
|----------------|----------------|
| registrationNo | REGISTRATIONNO |

IV.2.1.6.16.4 List of all dependencies of the table key registrationNo

| Name | Code | Class Name |
|------------|------------|------------|
| Car Driven | CAR_DRIVEN | Reference |
| CAR_PK | CAR_PK | Index |

IV.2.1.6.17 List of indexes of the table Car

| Name | Code | Unique | Cluster | Primary | Foreign Key | Alternate Key |
|----------------|----------------|--------|---------|---------|-------------|---------------|
| CAR_PK | CAR_PK | X | X | X | | |
| CAR_DRIVEN2_FK | CAR_DRIVEN2_FK | | | | X | |

IV.2.1.6.18 Index CAR_PK of the table Car

IV.2.1.6.18.1 Card of the index CAR_PK of the table Car

| | |
|---------------|--------|
| Name | CAR_PK |
| Code | CAR_PK |
| Unique | Yes |
| Cluster | Yes |
| Primary | Yes |
| Foreign Key | No |
| Alternate Key | No |
| Table | Car |

IV.2.1.6.18.2 Code preview of the index CAR_PK of the table Car

drop index if exists CAR.CAR_PK;

```

/*=====*/
/* Index: CAR_PK */
/*=====*/
create unique clustered index CAR_PK on CAR (
REGISTRATIONNO ASC

```

);

IV.2.1.6.18.3 List of index columns of the table index CAR_PK

| Name | Code |
|----------------|----------------|
| registrationNo | REGISTRATIONNO |

IV.2.1.6.18.4 List of extended attributes of the table index CAR_PK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.6.19 Index CAR_DRIVEN2_FK of the table Car

IV.2.1.6.19.1 Card of the index CAR_DRIVEN2_FK of the table Car

| | |
|---------------|----------------|
| Name | CAR_DRIVEN2_FK |
| Code | CAR_DRIVEN2_FK |
| Unique | No |
| Cluster | No |
| Primary | No |
| Foreign Key | Yes |
| Alternate Key | No |
| Table | Car |

IV.2.1.6.19.2 Code preview of the index CAR_DRIVEN2_FK of the table Car

drop index if exists CAR.CAR_DRIVEN2_FK;

```

/*=====*/
/* Index: CAR_DRIVEN2_FK */
/*=====*/
create index CAR_DRIVEN2_FK on CAR (
LESSONID ASC
);

```

IV.2.1.6.19.3 List of index columns of the table index CAR_DRIVEN2_FK

| Name | Code |
|----------|----------|
| lessonID | LESSONID |

IV.2.1.6.19.4 List of extended attributes of the table index CAR_DRIVEN2_FK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.7 Table Client

IV.2.1.7.1 Card of table Client

| | |
|------|---------------------|
| Name | Client |
| Code | CLIENT |
| DBMS | SAP SQL Anywhere 17 |

IV.2.1.7.2 Check constraint name of the table Client

CKT_CLIENT

IV.2.1.7.3 Server validation rule of the table Client

%RULES%

IV.2.1.7.4 Code preview of the table Client

```
if exists(select 1 from sys.sysforeignkey where role='FK_CLIENT_LEARNS_AT_OFFICE') then
    alter table CLIENT
        delete foreign key FK_CLIENT_LEARNS_AT_OFFICE
end if;
```

drop index if exists CLIENT.LEARNS_AT_FK;

drop index if exists CLIENT.CLIENT_PK;

drop table if exists CLIENT;

```
/*=====*/
/* Table: CLIENT */
/*=====*/
create or replace table CLIENT
(
    CLEINTID      varchar(5)      not null,
    OFFICEID      varchar(5)      not null,
    STARTDATE     date            null,
    ENDDATE       date            null,
    SEX           char(1)         null,
    LNAME         varchar(60)     null,
    FNAME         varchar(50)     null,
    STREET        varchar(75)     null,
    CITY          varchar(20)     null,
    PROVINCE      char(2)         null,
```

```

    POSTALCODE      char(7)          null,
    constraint PK_CLIENT primary key clustered (CLEINTID)
);

/*=====*/
/* Index: CLIENT_PK                      */
/*=====*/
create unique clustered index CLIENT_PK on CLIENT (
CLEINTID ASC
);

/*=====*/
/* Index: LEARNS_AT_FK                      */
/*=====*/
create index LEARNS_AT_FK on CLIENT (
OFFICEID ASC
);

alter table CLIENT
add constraint FK_CLIENT_LEARNS_AT_OFFICE foreign key (OFFICEID)
references OFFICE (OFFICEID)
on update restrict
on delete restrict;

```

IV.2.1.7.5 List of diagrams containing the table Client

| Name | Code |
|------|------|
| CDM | CDM |

IV.2.1.7.6 List of incoming references of the table Client

| Name | Code |
|---------------------|----------------------|
| Attends Interviewee | ATTENDS2 INTERVIEWEE |

IV.2.1.7.7 List of outgoing references of the table Client

| Name | Code | Foreign Key Columns |
|-----------|-----------|---------------------|
| Learns At | LEARNS_AT | officeID |

IV.2.1.7.8 List of all dependencies of the table Client

| Name | Code | Class Name |
|---------------------|----------------------|------------|
| Attends Interviewee | ATTENDS2 INTERVIEWEE | Reference |
| Learns At | LEARNS_AT | Reference |

IV.2.1.7.9 List of extended attributes of the table Client

| Name | Data Type | Value | Target Name |
|------|-----------|-------|-------------|
|------|-----------|-------|-------------|

| | | | |
|-----------------|-------------------|-------|---------------------|
| At | (Physical Option) | | SAP SQL Anywhere 17 |
| DbSpaceIn | (Physical Option) | | SAP SQL Anywhere 17 |
| Encrypted | (Physical Option) | false | SAP SQL Anywhere 17 |
| PctFree | (Integer) | | SAP SQL Anywhere 17 |
| SelectStatement | (Physical Option) | | SAP SQL Anywhere 17 |
| TemporaryTable | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.10 List of columns of the table Client

| Name | Code |
|------------|------------|
| cleintID | CLEINTID |
| officeID | OFFICEID |
| startDate | STARTDATE |
| endDate | ENDDATE |
| sex | SEX |
| lName | LNAME |
| fName | FNAME |
| street | STREET |
| city | CITY |
| province | PROVINCE |
| postalCode | POSTALCODE |

IV.2.1.7.11 Column cleintID of the table Client

IV.2.1.7.11.1 Card of the column cleintID of the table Client

| | |
|-----------|------------|
| Name | cleintID |
| Code | CLEINTID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.7.11.2 Check constraint name of the column cleintID of the table Client

CKC_CLEINTID_CLIENT

IV.2.1.7.11.3 Check of the column cleintID of the table Client

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.7.11.4 Server validation rule of the column cleintID of the table Client

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.7.11.5 List of all dependencies of the table column cleintID

| Name | Code | Class Name |
|----------|----------|----------------|
| cleintID | CLEINTID | Index Column |
| ? | ? | Reference Join |
| ? | ? | Reference Join |
| clientID | CLIENTID | Key |

IV.2.1.7.11.6 List of extended attributes of the table column cleintID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.12 Column officeID of the table Client

IV.2.1.7.12.1 Card of the column officeID of the table Client

| | |
|-----------|------------|
| Name | officeID |
| Code | OFFICEID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.7.12.2 Check constraint name of the column officeID of the table Client

CKC_OFFICEID_CLIENT

IV.2.1.7.12.3 Check of the column officeID of the table Client

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.7.12.4 Server validation rule of the column officeID of the table Client

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.7.12.5 List of all dependencies of the table column officeID

| Name | Code | Class Name |
|----------|----------|----------------|
| officeID | OFFICEID | Index Column |
| ? | ? | Reference Join |

IV.2.1.7.12.6 List of extended attributes of the table column officeID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.13 Column startDate of the table Client**IV.2.1.7.13.1 Card of the column startDate of the table Client**

| | |
|-----------|-----------|
| Name | startDate |
| Code | STARTDATE |
| Data Type | date |
| Mandatory | No |

IV.2.1.7.13.2 Check constraint name of the column startDate of the table Client

CKC_STARTDATE_CLIENT

IV.2.1.7.13.3 Check of the column startDate of the table Client

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.7.13.4 Server validation rule of the column startDate of the table Client

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.7.13.5 List of extended attributes of the table column startDate

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.14 Column endDate of the table Client**IV.2.1.7.14.1 Card of the column endDate of the table Client**

| | |
|-----------|---------|
| Name | endDate |
| Code | ENDDATE |
| Data Type | date |
| Mandatory | No |

IV.2.1.7.14.2 Check constraint name of the column endDate of the table Client

CKC_ENDDATE_CLIENT

IV.2.1.7.14.3 Check of the column endDate of the table Client

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.7.14.4 Server validation rule of the column endDate of the table Client

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.7.14.5 List of extended attributes of the table column endDate

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.15 Column sex of the table Client**IV.2.1.7.15.1 Card of the column sex of the table Client**

| | |
|-----------|---------|
| Name | sex |
| Code | SEX |
| Data Type | char(1) |
| Mandatory | No |

IV.2.1.7.15.2 Check constraint name of the column sex of the table Client

CKC_SEX_CLIENT

IV.2.1.7.15.3 Check of the column sex of the table Client

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.7.15.4 Server validation rule of the column sex of the table Client

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.7.15.5 List of extended attributes of the table column sex

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.16 Column lName of the table Client

IV.2.1.7.16.1 Card of the column lName of the table Client

| | |
|-----------|-------------|
| Name | lName |
| Code | LNAME |
| Data Type | varchar(60) |
| Mandatory | No |

IV.2.1.7.16.2 Check constraint name of the column lName of the table Client

CKC_LNAME_CLIENT

IV.2.1.7.16.3 Check of the column lName of the table Client

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.7.16.4 Server validation rule of the column lName of the table Client

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.7.16.5 List of extended attributes of the table column lName

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.17 Column fName of the table Client

IV.2.1.7.17.1 Card of the column fName of the table Client

| | |
|-----------|-------------|
| Name | fName |
| Code | FNAME |
| Data Type | varchar(50) |
| Mandatory | No |

IV.2.1.7.17.2 Check constraint name of the column fName of the table Client

CKC_FNAME_CLIENT

IV.2.1.7.17.3 Check of the column fName of the table Client

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.7.17.4 Server validation rule of the column fName of the table Client

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.7.17.5 List of extended attributes of the table column fName

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.18 Column street of the table Client**IV.2.1.7.18.1 Card of the column street of the table Client**

| | |
|-----------|-------------|
| Name | street |
| Code | STREET |
| Data Type | varchar(75) |
| Mandatory | No |

IV.2.1.7.18.2 Check constraint name of the column street of the table Client

CKC_STREET_CLIENT

IV.2.1.7.18.3 Check of the column street of the table Client

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.7.18.4 Server validation rule of the column street of the table Client

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.7.18.5 List of extended attributes of the table column street

| Name | Data Type | Value | Target Name |
|------|-----------|-------|-------------|
|------|-----------|-------|-------------|

| | | | |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.19 Column city of the table Client

IV.2.1.7.19.1 Card of the column city of the table Client

| | |
|-----------|-------------|
| Name | city |
| Code | CITY |
| Data Type | varchar(20) |
| Mandatory | No |

IV.2.1.7.19.2 Check constraint name of the column city of the table Client

CKC_CITY_CLIENT

IV.2.1.7.19.3 Check of the column city of the table Client

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.7.19.4 Server validation rule of the column city of the table Client

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.7.19.5 List of extended attributes of the table column city

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.20 Column province of the table Client

IV.2.1.7.20.1 Card of the column province of the table Client

| | |
|-----------|----------|
| Name | province |
| Code | PROVINCE |
| Data Type | char(2) |
| Mandatory | No |

IV.2.1.7.20.2 Check constraint name of the column province of the table Client

CKC_PROVINCE_CLIENT

IV.2.1.7.20.3 Check of the column province of the table Client

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.7.20.4 Server validation rule of the column province of the table Client

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.7.20.5 List of extended attributes of the table column province

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.21 Column postalCode of the table Client**IV.2.1.7.21.1 Card of the column postalCode of the table Client**

| | |
|-----------|------------|
| Name | postalCode |
| Code | POSTALCODE |
| Data Type | char(7) |
| Mandatory | No |

IV.2.1.7.21.2 Check constraint name of the column postalCode of the table Client

CKC_POSTALCODE_CLIENT

IV.2.1.7.21.3 Check of the column postalCode of the table Client

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.7.21.4 Server validation rule of the column postalCode of the table Client

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.7.21.5 List of extended attributes of the table column postalCode

| Name | Data Type | Value | Target Name |
|------|-----------|-------|-------------|
|------|-----------|-------|-------------|

| | | | |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.7.22 List of keys of the table Client

| Name | Code | Primary |
|----------|----------|---------|
| clientID | CLIENTID | X |

IV.2.1.7.23 Key clientID of the table Client

IV.2.1.7.23.1 Card of the key clientID of the table Client

| | |
|-------|----------|
| Name | clientID |
| Code | CLIENTID |
| Table | Client |

IV.2.1.7.23.2 Code preview of the key clientID of the table Client

```

if exists(
  select 1 from sys.sysconstraint k
    join sys.systab t on (t.object_id = k.table_object_id and t.table_name='CLIENT')
  where
    k.constraint_type = 'P'
) then
  alter table CLIENT
  delete primary key
end if;

```

IV.2.1.7.23.3 List of columns of the table key clientID

| Name | Code |
|----------|----------|
| cleintID | CLEINTID |

IV.2.1.7.23.4 List of all dependencies of the table key clientID

| Name | Code | Class Name |
|-------------|-------------|------------|
| Attends | ATTENDS2 | Reference |
| CLIENT_PK | CLIENT_PK | Index |
| Interviewee | INTERVIEWEE | Reference |

IV.2.1.7.24 List of indexes of the table Client

| Name | Code | Unique | Cluster | Primary | Foreign Key | Alternate Key |
|--------------|--------------|--------|---------|---------|-------------|---------------|
| CLIENT_PK | CLIENT_PK | X | X | X | | |
| LEARNS_AT_FK | LEARNS_AT_FK | | | | X | |

IV.2.1.7.25 Index CLIENT_PK of the table Client**IV.2.1.7.25.1 Card of the index CLIENT_PK of the table Client**

| | |
|---------------|-----------|
| Name | CLIENT_PK |
| Code | CLIENT_PK |
| Unique | Yes |
| Cluster | Yes |
| Primary | Yes |
| Foreign Key | No |
| Alternate Key | No |
| Table | Client |

IV.2.1.7.25.2 Code preview of the index CLIENT_PK of the table Client

drop index if exists CLIENT.CLIENT_PK;

```

/*=====*/
/* Index: CLIENT_PK */
/*=====*/
create unique clustered index CLIENT_PK on CLIENT (
CLEINTID ASC
);

```

IV.2.1.7.25.3 List of index columns of the table index CLIENT_PK

| Name | Code |
|----------|----------|
| cleintID | CLEINTID |

IV.2.1.7.25.4 List of extended attributes of the table index CLIENT_PK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.7.26 Index LEARNS_AT_FK of the table Client**IV.2.1.7.26.1 Card of the index LEARNS_AT_FK of the table Client**

| | |
|---------|--------------|
| Name | LEARNS_AT_FK |
| Code | LEARNS_AT_FK |
| Unique | No |
| Cluster | No |
| Primary | No |

| | |
|---------------|--------|
| Foreign Key | Yes |
| Alternate Key | No |
| Table | Client |

IV.2.1.7.26.2 Code preview of the index LEARNS_AT_FK of the table Client

drop index if exists CLIENT.LEARNS_AT_FK;

```

/*=====*/
/* Index: LEARNS_AT_FK */
/*=====*/
create index LEARNS_AT_FK on CLIENT (
OFFICEID ASC
);

```

IV.2.1.7.26.3 List of index columns of the table index LEARNS_AT_FK

| Name | Code |
|----------|----------|
| officeID | OFFICEID |

IV.2.1.7.26.4 List of extended attributes of the table index LEARNS_AT_FK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.8 Table Instructs

IV.2.1.8.1 Card of table Instructs

| | |
|------|---------------------|
| Name | Instructs |
| Code | INSTRUCTS |
| DBMS | SAP SQL Anywhere 17 |

IV.2.1.8.2 Check constraint name of the table Instructs

CKT_INSTRUCTS

IV.2.1.8.3 Server validation rule of the table Instructs

%RULES%

IV.2.1.8.4 Code preview of the table Instructs

```

if exists(select 1 from sys.sysforeignkey where role='FK_INSTRUCT_INSTRUCTS_LESSON') then
alter table INSTRUCTS

```

```

    delete foreign key FK_INSTRUCT_INSTRUCTS_LESSON
end if;

if exists(select 1 from sys.sysforeignkey where role='FK_INSTRUCT_INSTRUCTS_STAFF') then
    alter table INSTRUCTS
        delete foreign key FK_INSTRUCT_INSTRUCTS_STAFF
end if;

drop index if exists INSTRUCTS.INSTRUCTS_FK;

drop index if exists INSTRUCTS.INSTRUCTS2_FK;

drop index if exists INSTRUCTS.INSTRUCTS_PK;

drop table if exists INSTRUCTS;

/*=====*/
/* Table: INSTRUCTS                                */
/*=====*/
create or replace table INSTRUCTS
(
    LESSONID          varchar(5)          not null,
    STAFFID           varchar(5)          not null,
    constraint PK_INSTRUCTS primary key clustered (LESSONID, STAFFID)
);

/*=====*/
/* Index: INSTRUCTS_PK                                */
/*=====*/
create unique clustered index INSTRUCTS_PK on INSTRUCTS (
    LESSONID ASC,
    STAFFID ASC
);

/*=====*/
/* Index: INSTRUCTS2_FK                                */
/*=====*/
create index INSTRUCTS2_FK on INSTRUCTS (
    STAFFID ASC
);

/*=====*/
/* Index: INSTRUCTS_FK                                */
/*=====*/
create index INSTRUCTS_FK on INSTRUCTS (
    LESSONID ASC
);

alter table INSTRUCTS
    add constraint FK_INSTRUCT_INSTRUCTS_LESSON foreign key (LESSONID)
        references LESSON (LESSONID)
        on update restrict
        on delete restrict;

alter table INSTRUCTS
    add constraint FK_INSTRUCT_INSTRUCTS_STAFF foreign key (STAFFID)

```

references STAFF (STAFFID)
 on update restrict
 on delete restrict;

IV.2.1.8.5 List of diagrams containing the table Instructs

| Name | Code |
|------|------|
| CDM | CDM |

IV.2.1.8.6 List of outgoing references of the table Instructs

| Name | Code | Foreign Key Columns |
|-----------|------------|---------------------|
| Instructs | INSTRUCTS2 | staffID |
| Instructs | INSTRUCTS | lessonID |

IV.2.1.8.7 List of all dependencies of the table Instructs

| Name | Code | Class Name |
|-----------|------------|------------|
| Instructs | INSTRUCTS2 | Reference |
| Instructs | INSTRUCTS | Reference |

IV.2.1.8.8 List of extended attributes of the table Instructs

| Name | Data Type | Value | Target Name |
|-----------------|-------------------|-------|---------------------|
| At | (Physical Option) | | SAP SQL Anywhere 17 |
| DbpaceIn | (Physical Option) | | SAP SQL Anywhere 17 |
| Encrypted | (Physical Option) | false | SAP SQL Anywhere 17 |
| PctFree | (Integer) | | SAP SQL Anywhere 17 |
| SelectStatement | (Physical Option) | | SAP SQL Anywhere 17 |
| TemporaryTable | (String) | | SAP SQL Anywhere 17 |

IV.2.1.8.9 List of columns of the table Instructs

| Name | Code |
|----------|----------|
| lessonID | LESSONID |
| staffID | STAFFID |

IV.2.1.8.10 Column lessonID of the table Instructs

IV.2.1.8.10.1 Card of the column lessonID of the table Instructs

| | |
|-----------|------------|
| Name | lessonID |
| Code | LESSONID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.8.10.2 Check constraint name of the column lessonID of the table Instructs

CKC_LESSONID_INSTRUCT

IV.2.1.8.10.3 Check of the column lessonID of the table Instructs

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.8.10.4 Server validation rule of the column lessonID of the table Instructs

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.8.10.5 List of all dependencies of the table column lessonID

| Name | Code | Class Name |
|--------------|--------------|----------------|
| Identifier_1 | IDENTIFIER_1 | Key |
| lessonID | LESSONID | Index Column |
| lessonID | LESSONID | Index Column |
| ? | ? | Reference Join |

IV.2.1.8.10.6 List of extended attributes of the table column lessonID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.8.11 Column staffID of the table Instructs**IV.2.1.8.11.1 Card of the column staffID of the table Instructs**

| | |
|-----------|------------|
| Name | staffID |
| Code | STAFFID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.8.11.2 Check constraint name of the column staffID of the table Instructs

CKC_STAFFID_INSTRUCT

IV.2.1.8.11.3 Check of the column staffID of the table Instructs

| | |
|---------------|--|
| Minimum Value | |
| Maximum Value | |
| Default Value | |

| | |
|----------------|----|
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.8.11.4 Server validation rule of the column staffID of the table Instructs

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.8.11.5 List of all dependencies of the table column staffID

| Name | Code | Class Name |
|--------------|--------------|----------------|
| Identifier_1 | IDENTIFIER_1 | Key |
| staffID | STAFFID | Index Column |
| staffID | STAFFID | Index Column |
| ? | ? | Reference Join |

IV.2.1.8.11.6 List of extended attributes of the table column staffID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.8.12 List of keys of the table Instructs

| Name | Code | Primary |
|--------------|--------------|---------|
| Identifier_1 | IDENTIFIER_1 | X |

IV.2.1.8.13 Key Identifier_1 of the table Instructs

IV.2.1.8.13.1 Card of the key Identifier_1 of the table Instructs

| | |
|-------|--------------|
| Name | Identifier_1 |
| Code | IDENTIFIER_1 |
| Table | Instructs |

IV.2.1.8.13.2 Code preview of the key Identifier_1 of the table Instructs

```

if exists(
  select 1 from sys.sysconstraint k
    join sys.systab t on (t.object_id = k.table_object_id and t.table_name='INSTRUCTS')
  where
    k.constraint_type = 'P'
) then
  alter table INSTRUCTS
    delete primary key
end if;

```

IV.2.1.8.13.3 List of columns of the table key Identifier_1

| Name | Code |
|----------|----------|
| lessonID | LESSONID |
| staffID | STAFFID |

IV.2.1.8.13.4 List of all dependencies of the table key Identifier_1

| Name | Code | Class Name |
|--------------|--------------|------------|
| INSTRUCTS_PK | INSTRUCTS_PK | Index |

IV.2.1.8.14 List of indexes of the table Instructs

| Name | Code | Unique | Cluster | Primary | Foreign Key | Alternate Key |
|-------------------|-------------------|--------|---------|---------|-------------|---------------|
| INSTRUCTS_P K | INSTRUCTS_PK | X | X | X | | |
| INSTRUCTS2_ FK | INSTRUCTS2_F K | | | | X | |
| INSTRUCTS_F K | INSTRUCTS_FK | | | | X | |

IV.2.1.8.15 Index INSTRUCTS_PK of the table Instructs**IV.2.1.8.15.1 Card of the index INSTRUCTS_PK of the table Instructs**

| | |
|---------------|--------------|
| Name | INSTRUCTS_PK |
| Code | INSTRUCTS_PK |
| Unique | Yes |
| Cluster | Yes |
| Primary | Yes |
| Foreign Key | No |
| Alternate Key | No |
| Table | Instructs |

IV.2.1.8.15.2 Code preview of the index INSTRUCTS_PK of the table Instructs

drop index if exists INSTRUCTS.INSTRUCTS_PK;

```

/*=====*/
/* Index: INSTRUCTS_PK */
/*=====*/
create unique clustered index INSTRUCTS_PK on INSTRUCTS (
LESSONID ASC,
STAFFID ASC
);

```

IV.2.1.8.15.3 List of index columns of the table index INSTRUCTS_PK

| Name | Code |
|----------|----------|
| lessonID | LESSONID |
| staffID | STAFFID |

IV.2.1.8.15.4 List of extended attributes of the table index INSTRUCTS_PK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.8.16 Index INSTRUCTS2_FK of the table Instructs**IV.2.1.8.16.1 Card of the index INSTRUCTS2_FK of the table Instructs**

| | |
|---------------|---------------|
| Name | INSTRUCTS2_FK |
| Code | INSTRUCTS2_FK |
| Unique | No |
| Cluster | No |
| Primary | No |
| Foreign Key | Yes |
| Alternate Key | No |
| Table | Instructs |

IV.2.1.8.16.2 Code preview of the index INSTRUCTS2_FK of the table Instructs

drop index if exists INSTRUCTS.INSTRUCTS2_FK;

```

/*=====*/
/* Index: INSTRUCTS2_FK */
/*=====*/
create index INSTRUCTS2_FK on INSTRUCTS (
STAFFID ASC
);

```

IV.2.1.8.16.3 List of index columns of the table index INSTRUCTS2_FK

| Name | Code |
|---------|---------|
| staffID | STAFFID |

IV.2.1.8.16.4 List of extended attributes of the table index INSTRUCTS2_FK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |

| | | | |
|-----------|-------------------|-------|---------------------|
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.8.17 Index INSTRUCTS_FK of the table Instructs

IV.2.1.8.17.1 Card of the index INSTRUCTS_FK of the table Instructs

| | |
|---------------|--------------|
| Name | INSTRUCTS_FK |
| Code | INSTRUCTS_FK |
| Unique | No |
| Cluster | No |
| Primary | No |
| Foreign Key | Yes |
| Alternate Key | No |
| Table | Instructs |

IV.2.1.8.17.2 Code preview of the index INSTRUCTS_FK of the table Instructs

drop index if exists INSTRUCTS.INSTRUCTS_FK;

```

/*=====*/
/* Index: INSTRUCTS_FK */
/*=====*/
create index INSTRUCTS_FK on INSTRUCTS (
LESSONID ASC
);

```

IV.2.1.8.17.3 List of index columns of the table index INSTRUCTS_FK

| Name | Code |
|----------|----------|
| lessonID | LESSONID |

IV.2.1.8.17.4 List of extended attributes of the table index INSTRUCTS_FK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.9 Table Interview

IV.2.1.9.1 Card of table Interview

| | |
|------|---------------------|
| Name | Interview |
| Code | INTERVIEW |
| DBMS | SAP SQL Anywhere 17 |

IV.2.1.9.2 Check constraint name of the table Interview

CKT_INTERVIEW

IV.2.1.9.3 Server validation rule of the table Interview

%RULES%

IV.2.1.9.4 Code preview of the table Interview

```
if exists(select 1 from sys.sysforeignkey where role='FK_INTERVIE_CONDUCTS2_STAFF') then
    alter table INTERVIEW
        delete foreign key FK_INTERVIE_CONDUCTS2_STAFF
end if;
```

```
if exists(select 1 from sys.sysforeignkey where role='FK_INTERVIE_INTERVIEW_CLIENT') then
    alter table INTERVIEW
        delete foreign key FK_INTERVIE_INTERVIEW_CLIENT
end if;
```

```
drop index if exists INTERVIEW.INTERVIEWEE_FK;
```

```
drop index if exists INTERVIEW.CONDUCTS2_FK;
```

```
drop index if exists INTERVIEW.INTERVIEW_PK;
```

```
drop table if exists INTERVIEW;
```

```
/*=====*/
/* Table: INTERVIEW                                */
/*=====*/
create or replace table INTERVIEW
(
    INTERVIEWID    varchar(5)        not null,
    STAFFID        varchar(5)        not null,
    CLEINTID       varchar(5)        not null,
    COMMENTS       varchar(1024)     null,
    constraint PK_INTERVIEW primary key clustered (INTERVIEWID)
);
```

```
/*=====*/
/* Index: INTERVIEW_PK                            */
/*=====*/
create unique clustered index INTERVIEW_PK on INTERVIEW (
    INTERVIEWID ASC
);
```

```
/*=====*/
/* Index: CONDUCTS2_FK                            */
/*=====*/
create index CONDUCTS2_FK on INTERVIEW (
```

```

STAFFID ASC
);

/*=====*/
/* Index: INTERVIEWEE_FK                      */
/*=====*/
create index INTERVIEWEE_FK on INTERVIEW (
CLEINTID ASC
);

alter table INTERVIEW
add constraint FK_INTERVIE_CONDUCTS2_STAFF foreign key (STAFFID)
references STAFF (STAFFID)
on update restrict
on delete restrict;

alter table INTERVIEW
add constraint FK_INTERVIE_INTERVIEW_CLIENT foreign key (CLEINTID)
references CLIENT (CLEINTID)
on update restrict
on delete restrict;

```

IV.2.1.9.5 List of diagrams containing the table Interview

| Name | Code |
|------|------|
| CDM | CDM |

IV.2.1.9.6 List of incoming references of the table Interview

| Name | Code |
|----------|----------|
| Conducts | CONDUCTS |

IV.2.1.9.7 List of outgoing references of the table Interview

| Name | Code | Foreign Key Columns |
|--------------------------|--------------------------|---------------------|
| Conducts2 Interviewee | CONDUCTS2 INTERVIEWEE | staffID cleintID |

IV.2.1.9.8 List of all dependencies of the table Interview

| Name | Code | Class Name |
|-------------|-------------|------------|
| Conducts | CONDUCTS | Reference |
| Conducts2 | CONDUCTS2 | Reference |
| Interviewee | INTERVIEWEE | Reference |

IV.2.1.9.9 List of extended attributes of the table Interview

| Name | Data Type | Value | Target Name |
|------|-------------------|-------|---------------------|
| At | (Physical Option) | | SAP SQL Anywhere 17 |

| | | | |
|-----------------|-------------------|-------|---------------------|
| DbSpaceIn | (Physical Option) | | SAP SQL Anywhere 17 |
| Encrypted | (Physical Option) | false | SAP SQL Anywhere 17 |
| PctFree | (Integer) | | SAP SQL Anywhere 17 |
| SelectStatement | (Physical Option) | | SAP SQL Anywhere 17 |
| TemporaryTable | (String) | | SAP SQL Anywhere 17 |

IV.2.1.9.10 List of columns of the table Interview

| Name | Code |
|-------------|-------------|
| interviewID | INTERVIEWID |
| staffID | STAFFID |
| cleintID | CLEINTID |
| comments | COMMENTS |

IV.2.1.9.11 Column interviewID of the table Interview

IV.2.1.9.11.1 Card of the column interviewID of the table Interview

| | |
|-----------|-------------|
| Name | interviewID |
| Code | INTERVIEWID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.9.11.2 Check constraint name of the column interviewID of the table Interview

CKC_INTERVIEWID_INTERVIE

IV.2.1.9.11.3 Check of the column interviewID of the table Interview

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.9.11.4 Server validation rule of the column interviewID of the table Interview

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.9.11.5 List of all dependencies of the table column interviewID

| Name | Code | Class Name |
|-------------|-------------|----------------|
| interviewID | INTERVIEWID | Key |
| interviewID | INTERVIEWID | Index Column |
| ? | ? | Reference Join |

IV.2.1.9.11.6 List of extended attributes of the table column interviewID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.9.12 Column staffID of the table Interview**IV.2.1.9.12.1 Card of the column staffID of the table Interview**

| | |
|-----------|------------|
| Name | staffID |
| Code | STAFFID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.9.12.2 Check constraint name of the column staffID of the table Interview

CKC_STAFFID_INTERVIE

IV.2.1.9.12.3 Check of the column staffID of the table Interview

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.9.12.4 Server validation rule of the column staffID of the table Interview

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.9.12.5 List of all dependencies of the table column staffID

| Name | Code | Class Name |
|---------|---------|----------------|
| staffID | STAFFID | Index Column |
| ? | ? | Reference Join |

IV.2.1.9.12.6 List of extended attributes of the table column staffID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.9.13 Column cleintID of the table Interview**IV.2.1.9.13.1 Card of the column cleintID of the table Interview**

| | |
|-----------|------------|
| Name | cleintID |
| Code | CLEINTID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.9.13.2 Check constraint name of the column cleintID of the table Interview

CKC_CLEINTID_INTERVIE

IV.2.1.9.13.3 Check of the column cleintID of the table Interview

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.9.13.4 Server validation rule of the column cleintID of the table Interview

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.9.13.5 List of all dependencies of the table column cleintID

| Name | Code | Class Name |
|----------|----------|----------------|
| cleintID | CLEINTID | Index Column |
| ? | ? | Reference Join |

IV.2.1.9.13.6 List of extended attributes of the table column cleintID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.9.14 Column comments of the table Interview

IV.2.1.9.14.1 Card of the column comments of the table Interview

| | |
|-----------|---------------|
| Name | comments |
| Code | COMMENTS |
| Data Type | varchar(1024) |
| Mandatory | No |

IV.2.1.9.14.2 Check constraint name of the column comments of the table Interview

CKC_COMMENTS_INTERVIE

IV.2.1.9.14.3 Check of the column comments of the table Interview

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.9.14.4 Server validation rule of the column comments of the table Interview

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.9.14.5 List of extended attributes of the table column comments

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.9.15 List of keys of the table Interview

| Name | Code | Primary |
|-------------|-------------|---------|
| interviewID | INTERVIEWID | X |

IV.2.1.9.16 Key interviewID of the table Interview

IV.2.1.9.16.1 Card of the key interviewID of the table Interview

| | |
|-------|-------------|
| Name | interviewID |
| Code | INTERVIEWID |
| Table | Interview |

IV.2.1.9.16.2 Code preview of the key interviewID of the table Interview

```

if exists(
  select 1 from sys.sysconstraint k
    join sys.systab t on (t.object_id = k.table_object_id and t.table_name='INTERVIEW')
  where
    k.constraint_type = 'P'
) then
  alter table INTERVIEW
  delete primary key
end if;

```

IV.2.1.9.16.3 List of columns of the table key interviewID

| Name | Code |
|-------------|-------------|
| interviewID | INTERVIEWID |

IV.2.1.9.16.4 List of all dependencies of the table key interviewID

| Name | Code | Class Name |
|--------------|--------------|------------|
| Conducts | CONDUCTS | Reference |
| INTERVIEW_PK | INTERVIEW_PK | Index |

IV.2.1.9.17 List of indexes of the table Interview

| Name | Code | Unique | Cluster | Primary | Foreign Key | Alternate Key |
|--------------------|--------------------|--------|---------|---------|-------------|---------------|
| INTERVIEW_P K | INTERVIEW_PK | X | X | X | | |
| CONDUCTS2_ FK | CONDUCTS2_F K | | | | X | |
| INTERVIEWEE_ FK | INTERVIEWEE_ FK | | | | X | |

IV.2.1.9.18 Index INTERVIEW_PK of the table Interview**IV.2.1.9.18.1 Card of the index INTERVIEW_PK of the table Interview**

| | |
|---------------|--------------|
| Name | INTERVIEW_PK |
| Code | INTERVIEW_PK |
| Unique | Yes |
| Cluster | Yes |
| Primary | Yes |
| Foreign Key | No |
| Alternate Key | No |
| Table | Interview |

IV.2.1.9.18.2 Code preview of the index INTERVIEW_PK of the table Interview

drop index if exists INTERVIEW.INTERVIEW_PK;

```

/*=====*/
/* Index: INTERVIEW_PK */
/*=====*/
create unique clustered index INTERVIEW_PK on INTERVIEW (
INTERVIEWID ASC
);

```

IV.2.1.9.18.3 List of index columns of the table index INTERVIEW_PK

| Name | Code |
|-------------|-------------|
| interviewID | INTERVIEWID |

IV.2.1.9.18.4 List of extended attributes of the table index INTERVIEW_PK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.9.19 Index CONDUCTS2_FK of the table Interview

IV.2.1.9.19.1 Card of the index CONDUCTS2_FK of the table Interview

| | |
|---------------|--------------|
| Name | CONDUCTS2_FK |
| Code | CONDUCTS2_FK |
| Unique | No |
| Cluster | No |
| Primary | No |
| Foreign Key | Yes |
| Alternate Key | No |
| Table | Interview |

IV.2.1.9.19.2 Code preview of the index CONDUCTS2_FK of the table Interview

drop index if exists INTERVIEW.CONDUCTS2_FK;

```

/*=====*/
/* Index: CONDUCTS2_FK */
/*=====*/
create index CONDUCTS2_FK on INTERVIEW (
STAFFID ASC
);

```

IV.2.1.9.19.3 List of index columns of the table index CONDUCTS2_FK

| Name | Code |
|---------|---------|
| staffID | STAFFID |

IV.2.1.9.19.4 List of extended attributes of the table index CONDUCTS2_FK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.9.20 Index INTERVIEWEE_FK of the table Interview

IV.2.1.9.20.1 Card of the index INTERVIEWEE_FK of the table Interview

| | |
|---------------|----------------|
| Name | INTERVIEWEE_FK |
| Code | INTERVIEWEE_FK |
| Unique | No |
| Cluster | No |
| Primary | No |
| Foreign Key | Yes |
| Alternate Key | No |
| Table | Interview |

IV.2.1.9.20.2 Code preview of the index INTERVIEWEE_FK of the table Interview

drop index if exists INTERVIEW.INTERVIEWEE_FK;

```

/*=====*/
/* Index: INTERVIEWEE_FK                      */
/*=====*/
create index INTERVIEWEE_FK on INTERVIEW (
CLEINTID ASC
);

```

IV.2.1.9.20.3 List of index columns of the table index INTERVIEWEE_FK

| Name | Code |
|----------|----------|
| cleintID | CLEINTID |

IV.2.1.9.20.4 List of extended attributes of the table index INTERVIEWEE_FK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.10 Table Lesson

IV.2.1.10.1 Card of table Lesson

| | |
|------|---------------------|
| Name | Lesson |
| Code | LESSON |
| DBMS | SAP SQL Anywhere 17 |

IV.2.1.10.2 Check constraint name of the table Lesson

CKT_LESSON

IV.2.1.10.3 Server validation rule of the table Lesson

%RULES%

IV.2.1.10.4 Code preview of the table Lesson

```
if exists(select 1 from sys.sysforeignkey where role='FK_LESSON_CAR_DRIVE_CAR') then
    alter table LESSON
        delete foreign key FK_LESSON_CAR_DRIVE_CAR
end if;
```

```
drop index if exists LESSON.CAR_DRIVEN_FK;
```

```
drop index if exists LESSON.LESSON_PK;
```

```
drop table if exists LESSON;
```

```
/*=====*/
/* Table: LESSON                                */
/*=====*/
```

```
create or replace table LESSON
(
    LESSONID          varchar(5)          not null,
    REGISTRATIONNO     integer             not null,
    TIMESTART          time                null,
    TIMEEND            time                null,
    CARUSED            integer             null,
    MILESOUT           integer             null,
    MILESIN            integer             null,
    constraint PK_LESSON primary key clustered (LESSONID)
);
```

```
/*=====*/
/* Index: LESSON_PK                                */
/*=====*/
create unique clustered index LESSON_PK on LESSON (
    LESSONID ASC
);
```

```
/*=====*/
/* Index: CAR_DRIVEN_FK                                */
/*=====*/
create index CAR_DRIVEN_FK on LESSON (
    REGISTRATIONNO ASC
);
```

```
alter table LESSON
    add constraint FK_LESSON_CAR_DRIVE_CAR foreign key (REGISTRATIONNO)
        references CAR (REGISTRATIONNO)
        on update restrict
        on delete restrict;
```

IV.2.1.10.5 List of diagrams containing the table Lesson

| Name | Code |
|------|------|
| CDM | CDM |

IV.2.1.10.6 List of incoming references of the table Lesson

| Name | Code |
|-------------------------------------|-------------------------------------|
| Attends Car Driven2 Instructs | ATTENDS CAR_DRIVEN2 INSTRUCTS |

IV.2.1.10.7 List of outgoing references of the table Lesson

| Name | Code | Foreign Key Columns |
|------------|------------|---------------------|
| Car Driven | CAR_DRIVEN | registrationNo |

IV.2.1.10.8 List of all dependencies of the table Lesson

| Name | Code | Class Name |
|-------------|-------------|------------|
| Attends | ATTENDS | Reference |
| Car Driven | CAR_DRIVEN | Reference |
| Car Driven2 | CAR_DRIVEN2 | Reference |
| Instructs | INSTRUCTS | Reference |

IV.2.1.10.9 List of extended attributes of the table Lesson

| Name | Data Type | Value | Target Name |
|-----------------|-------------------|-------|---------------------|
| At | (Physical Option) | | SAP SQL Anywhere 17 |
| DbSpaceIn | (Physical Option) | | SAP SQL Anywhere 17 |
| Encrypted | (Physical Option) | false | SAP SQL Anywhere 17 |
| PctFree | (Integer) | | SAP SQL Anywhere 17 |
| SelectStatement | (Physical Option) | | SAP SQL Anywhere 17 |
| TemporaryTable | (String) | | SAP SQL Anywhere 17 |

IV.2.1.10.10 List of columns of the table Lesson

| Name | Code |
|----------------|----------------|
| lessonID | LESSONID |
| registrationNo | REGISTRATIONNO |
| timeStart | TIMESTART |
| timeEnd | TIMEEND |
| carUsed | CARUSED |
| milesOut | MILESOUT |
| milesIn | MILESIN |

IV.2.1.10.11 Column lessonID of the table Lesson**IV.2.1.10.11.1 Card of the column lessonID of the table Lesson**

| | |
|-----------|------------|
| Name | lessonID |
| Code | LESSONID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.10.11.2 Check constraint name of the column lessonID of the table Lesson

CKC_LESSONID_LESSON

IV.2.1.10.11.3 Check of the column lessonID of the table Lesson

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.10.11.4 Server validation rule of the column lessonID of the table Lesson

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.10.11.5 List of all dependencies of the table column lessonID

| Name | Code | Class Name |
|----------|----------|----------------|
| lessonID | LESSONID | Index Column |
| lessonID | LESSONID | Key |
| ? | ? | Reference Join |
| ? | ? | Reference Join |
| ? | ? | Reference Join |

IV.2.1.10.11.6 List of extended attributes of the table column lessonID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.10.12 Column registrationNo of the table Lesson**IV.2.1.10.12.1 Card of the column registrationNo of the table Lesson**

| | |
|-----------|----------------|
| Name | registrationNo |
| Code | REGISTRATIONNO |
| Data Type | integer |

| | |
|-----------|-----|
| Mandatory | Yes |
|-----------|-----|

IV.2.1.10.12.2 Check constraint name of the column registrationNo of the table Lesson

CKC_REGISTRATIONNO_LESSON

IV.2.1.10.12.3 Check of the column registrationNo of the table Lesson

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.10.12.4 Server validation rule of the column registrationNo of the table Lesson

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.10.12.5 List of all dependencies of the table column registrationNo

| Name | Code | Class Name |
|----------------|----------------|----------------|
| registrationNo | REGISTRATIONNO | Index Column |
| ? | ? | Reference Join |

IV.2.1.10.12.6 List of extended attributes of the table column registrationNo

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.10.13 Column timeStart of the table Lesson**IV.2.1.10.13.1 Card of the column timeStart of the table Lesson**

| | |
|-----------|-----------|
| Name | timeStart |
| Code | TIMESTART |
| Data Type | time |
| Mandatory | No |

IV.2.1.10.13.2 Check constraint name of the column timeStart of the table Lesson

CKC_TIMESTART_LESSON

IV.2.1.10.13.3 Check of the column timeStart of the table Lesson

| | |
|---------------|--|
| Minimum Value | |
| Maximum Value | |
| Default Value | |

| | |
|----------------|----|
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.10.13.4 Server validation rule of the column timeStart of the table Lesson

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.10.13.5 List of extended attributes of the table column timeStart

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.10.14 Column timeEnd of the table Lesson**IV.2.1.10.14.1 Card of the column timeEnd of the table Lesson**

| | |
|-----------|---------|
| Name | timeEnd |
| Code | TIMEEND |
| Data Type | time |
| Mandatory | No |

IV.2.1.10.14.2 Check constraint name of the column timeEnd of the table Lesson

CKC_TIMEEND_LESSON

IV.2.1.10.14.3 Check of the column timeEnd of the table Lesson

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.10.14.4 Server validation rule of the column timeEnd of the table Lesson

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.10.14.5 List of extended attributes of the table column timeEnd

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.10.15 Column carUsed of the table Lesson

IV.2.1.10.15.1 Card of the column carUsed of the table Lesson

| | |
|-----------|---------|
| Name | carUsed |
| Code | CARUSED |
| Data Type | integer |
| Mandatory | No |

IV.2.1.10.15.2 Check constraint name of the column carUsed of the table Lesson

CKC_CARUSED_LESSON

IV.2.1.10.15.3 Check of the column carUsed of the table Lesson

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.10.15.4 Server validation rule of the column carUsed of the table Lesson

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.10.15.5 List of extended attributes of the table column carUsed

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.10.16 Column milesOut of the table Lesson**IV.2.1.10.16.1 Card of the column milesOut of the table Lesson**

| | |
|-----------|----------|
| Name | milesOut |
| Code | MILESOUT |
| Data Type | integer |
| Mandatory | No |

IV.2.1.10.16.2 Check constraint name of the column milesOut of the table Lesson

CKC_MILESOUT_LESSON

IV.2.1.10.16.3 Check of the column milesOut of the table Lesson

| | |
|---------------|--|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |

| | |
|----------------|----|
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.10.16.4 Server validation rule of the column milesOut of the table Lesson

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.10.16.5 List of extended attributes of the table column milesOut

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.10.17 Column milesIn of the table Lesson**IV.2.1.10.17.1 Card of the column milesIn of the table Lesson**

| | |
|-----------|---------|
| Name | milesIn |
| Code | MILESIN |
| Data Type | integer |
| Mandatory | No |

IV.2.1.10.17.2 Check constraint name of the column milesIn of the table Lesson

CKC_MILESIN_LESSON

IV.2.1.10.17.3 Check of the column milesIn of the table Lesson

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.10.17.4 Server validation rule of the column milesIn of the table Lesson

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.10.17.5 List of extended attributes of the table column milesIn

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.10.18 List of keys of the table Lesson

| Name | Code | Primary |
|----------|----------|---------|
| lessonID | LESSONID | X |

IV.2.1.10.19 Key lessonID of the table Lesson

IV.2.1.10.19.1 Card of the key lessonID of the table Lesson

| | |
|-------|----------|
| Name | lessonID |
| Code | LESSONID |
| Table | Lesson |

IV.2.1.10.19.2 Code preview of the key lessonID of the table Lesson

```

if exists(
  select 1 from sys.sysconstraint k
  join sys.systab t on (t.object_id = k.table_object_id and t.table_name='LESSON')
  where
    k.constraint_type = 'P'
) then
  alter table LESSON
  delete primary key
end if;

```

IV.2.1.10.19.3 List of columns of the table key lessonID

| Name | Code |
|----------|----------|
| lessonID | LESSONID |

IV.2.1.10.19.4 List of all dependencies of the table key lessonID

| Name | Code | Class Name |
|-------------|-------------|------------|
| Attends | ATTENDS | Reference |
| Car Driven2 | CAR_DRIVEN2 | Reference |
| Instructs | INSTRUCTS | Reference |
| LESSON_PK | LESSON_PK | Index |

IV.2.1.10.20 List of indexes of the table Lesson

| Name | Code | Unique | Cluster | Primary | Foreign Key | Alternate Key |
|---------------|---------------|--------|---------|---------|-------------|---------------|
| LESSON_PK | LESSON_PK | X | X | X | | |
| CAR_DRIVEN_FK | CAR_DRIVEN_FK | | | | X | |

IV.2.1.10.21 Index LESSON_PK of the table Lesson

IV.2.1.10.21.1 Card of the index LESSON_PK of the table Lesson

| | |
|---------------|-----------|
| Name | LESSON_PK |
| Code | LESSON_PK |
| Unique | Yes |
| Cluster | Yes |
| Primary | Yes |
| Foreign Key | No |
| Alternate Key | No |
| Table | Lesson |

IV.2.1.10.21.2 Code preview of the index LESSON_PK of the table Lesson

drop index if exists LESSON.LESSON_PK;

```

/*=====*/
/* Index: LESSON_PK */
/*=====*/
create unique clustered index LESSON_PK on LESSON (
LESSONID ASC
);

```

IV.2.1.10.21.3 List of index columns of the table index LESSON_PK

| Name | Code |
|----------|----------|
| lessonID | LESSONID |

IV.2.1.10.21.4 List of extended attributes of the table index LESSON_PK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.10.22 Index CAR_DRIVEN_FK of the table Lesson

IV.2.1.10.22.1 Card of the index CAR_DRIVEN_FK of the table Lesson

| | |
|---------------|---------------|
| Name | CAR_DRIVEN_FK |
| Code | CAR_DRIVEN_FK |
| Unique | No |
| Cluster | No |
| Primary | No |
| Foreign Key | Yes |
| Alternate Key | No |
| Table | Lesson |

IV.2.1.10.22.2 Code preview of the index CAR_DRIVEN_FK of the table Lesson

drop index if exists LESSON.CAR_DRIVEN_FK;

```
/*=====*/
/* Index: CAR_DRIVEN_FK */
/*=====*/
create index CAR_DRIVEN_FK on LESSON (
REGISTRATIONNO ASC
);
```

IV.2.1.10.22.3 List of index columns of the table index CAR_DRIVEN_FK

| Name | Code |
|----------------|----------------|
| registrationNo | REGISTRATIONNO |

IV.2.1.10.22.4 List of extended attributes of the table index CAR_DRIVEN_FK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.11 Table Office**IV.2.1.11.1 Card of table Office**

| | |
|------|---------------------|
| Name | Office |
| Code | OFFICE |
| DBMS | SAP SQL Anywhere 17 |

IV.2.1.11.2 Check constraint name of the table Office

CKT_OFFICE

IV.2.1.11.3 Server validation rule of the table Office

%RULES%

IV.2.1.11.4 Code preview of the table Office

drop index if exists OFFICE.OFFICE_PK;

drop table if exists OFFICE;

```
/*=====*/
/* Table: OFFICE */
```

```

/*=====*/
create or replace table OFFICE
(
  OFFICEID          varchar(5)          not null,
  STREETADDRESS     varchar(75)         null,
  CITY              varchar(20)         null,
  PROVINCE          char(2)             null,
  POSTALCODE        char(7)            null,
  constraint PK_OFFICE primary key clustered (OFFICEID)
);

/*=====*/
/* Index: OFFICE_PK */
/*=====*/
create unique clustered index OFFICE_PK on OFFICE (
  OFFICEID ASC
);

```

IV.2.1.11.5 List of diagrams containing the table Office

| Name | Code |
|------|------|
| CDM | CDM |

IV.2.1.11.6 List of incoming references of the table Office

| Name | Code |
|-----------|-----------|
| Learns At | LEARNS_AT |
| Works at | WORKS_AT |

IV.2.1.11.7 List of all dependencies of the table Office

| Name | Code | Class Name |
|-----------|-----------|------------|
| Learns At | LEARNS_AT | Reference |
| Works at | WORKS_AT | Reference |

IV.2.1.11.8 List of extended attributes of the table Office

| Name | Data Type | Value | Target Name |
|-----------------|-------------------|-------|---------------------|
| At | (Physical Option) | | SAP SQL Anywhere 17 |
| DbpaceIn | (Physical Option) | | SAP SQL Anywhere 17 |
| Encrypted | (Physical Option) | false | SAP SQL Anywhere 17 |
| PctFree | (Integer) | | SAP SQL Anywhere 17 |
| SelectStatement | (Physical Option) | | SAP SQL Anywhere 17 |
| TemporaryTable | (String) | | SAP SQL Anywhere 17 |

IV.2.1.11.9 List of columns of the table Office

| Name | Code |
|------|------|
|------|------|

| | |
|---------------|---------------|
| officeID | OFFICEID |
| streetAddress | STREETADDRESS |
| city | CITY |
| province | PROVINCE |
| postalCode | POSTALCODE |

IV.2.1.11.10 Column officeID of the table Office

IV.2.1.11.10.1 Card of the column officeID of the table Office

| | |
|-----------|------------|
| Name | officeID |
| Code | OFFICEID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.11.10.2 Check constraint name of the column officeID of the table Office

CKC_OFFICEID_OFFICE

IV.2.1.11.10.3 Check of the column officeID of the table Office

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.11.10.4 Server validation rule of the column officeID of the table Office

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.11.10.5 List of all dependencies of the table column officeID

| Name | Code | Class Name |
|--------------|--------------|----------------|
| Identifier_1 | IDENTIFIER_1 | Key |
| officeID | OFFICEID | Index Column |
| ? | ? | Reference Join |
| ? | ? | Reference Join |

IV.2.1.11.10.6 List of extended attributes of the table column officeID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.11.11 Column streetAddress of the table Office**IV.2.1.11.11.1 Card of the column streetAddress of the table Office**

| | |
|-----------|---------------|
| Name | streetAddress |
| Code | STREETADDRESS |
| Data Type | varchar(75) |
| Mandatory | No |

IV.2.1.11.11.2 Check constraint name of the column streetAddress of the table Office

CKC_STREETADDRESS_OFFICE

IV.2.1.11.11.3 Check of the column streetAddress of the table Office

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.11.11.4 Server validation rule of the column streetAddress of the table Office

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.11.11.5 List of extended attributes of the table column streetAddress

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.11.12 Column city of the table Office**IV.2.1.11.12.1 Card of the column city of the table Office**

| | |
|-----------|-------------|
| Name | city |
| Code | CITY |
| Data Type | varchar(20) |
| Mandatory | No |

IV.2.1.11.12.2 Check constraint name of the column city of the table Office

CKC_CITY_OFFICE

IV.2.1.11.12.3 Check of the column city of the table Office

| | |
|---------------|--|
| Minimum Value | |
| Maximum Value | |

| | |
|----------------|----|
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.11.12.4 Server validation rule of the column city of the table Office

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.11.12.5 List of extended attributes of the table column city

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.11.13 Column province of the table Office

IV.2.1.11.13.1 Card of the column province of the table Office

| | |
|-----------|----------|
| Name | province |
| Code | PROVINCE |
| Data Type | char(2) |
| Mandatory | No |

IV.2.1.11.13.2 Check constraint name of the column province of the table Office

CKC_PROVINCE_OFFICE

IV.2.1.11.13.3 Check of the column province of the table Office

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.11.13.4 Server validation rule of the column province of the table Office

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.11.13.5 List of extended attributes of the table column province

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.11.14 Column postalCode of the table Office**IV.2.1.11.14.1 Card of the column postalCode of the table Office**

| | |
|-----------|------------|
| Name | postalCode |
| Code | POSTALCODE |
| Data Type | char(7) |
| Mandatory | No |

IV.2.1.11.14.2 Check constraint name of the column postalCode of the table Office

CKC_POSTALCODE_OFFICE

IV.2.1.11.14.3 Check of the column postalCode of the table Office

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.11.14.4 Server validation rule of the column postalCode of the table Office

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.11.14.5 List of extended attributes of the table column postalCode

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.11.15 List of keys of the table Office

| Name | Code | Primary |
|--------------|--------------|---------|
| Identifier_1 | IDENTIFIER_1 | X |

IV.2.1.11.16 Key Identifier_1 of the table Office**IV.2.1.11.16.1 Card of the key Identifier_1 of the table Office**

| | |
|-------|--------------|
| Name | Identifier_1 |
| Code | IDENTIFIER_1 |
| Table | Office |

IV.2.1.11.16.2 Code preview of the key Identifier_1 of the table Office

```
if exists(
  select 1 from sys.sysconstraint k
```

```

    join sys.systab t on (t.object_id = k.table_object_id and t.table_name='OFFICE')
  where
    k.constraint_type = 'P'
) then
  alter table OFFICE
  delete primary key
end if;

```

IV.2.1.11.16.3 List of columns of the table key Identifier_1

| Name | Code |
|----------|----------|
| officeID | OFFICEID |

IV.2.1.11.16.4 List of all dependencies of the table key Identifier_1

| Name | Code | Class Name |
|-----------|-----------|------------|
| Learns At | LEARNS_AT | Reference |
| OFFICE_PK | OFFICE_PK | Index |
| Works at | WORKS_AT | Reference |

IV.2.1.11.17 List of indexes of the table Office

| Name | Code | Unique | Cluster | Primary | Foreign Key | Alternate Key |
|-----------|-----------|--------|---------|---------|-------------|---------------|
| OFFICE_PK | OFFICE_PK | X | X | X | | |

IV.2.1.11.18 Index OFFICE_PK of the table Office

IV.2.1.11.18.1 Card of the index OFFICE_PK of the table Office

| | |
|---------------|-----------|
| Name | OFFICE_PK |
| Code | OFFICE_PK |
| Unique | Yes |
| Cluster | Yes |
| Primary | Yes |
| Foreign Key | No |
| Alternate Key | No |
| Table | Office |

IV.2.1.11.18.2 Code preview of the index OFFICE_PK of the table Office

drop index if exists OFFICE.OFFICE_PK;

```

/*=====*/
/* Index: OFFICE_PK */
/*=====*/
create unique clustered index OFFICE_PK on OFFICE (
OFFICEID ASC
);

```

IV.2.1.11.18.3 List of index columns of the table index OFFICE_PK

| Name | Code |
|----------|----------|
| officeID | OFFICEID |

IV.2.1.11.18.4 List of extended attributes of the table index OFFICE_PK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.12 Table Staff***IV.2.1.12.1 Card of table Staff***

| | |
|------|---------------------|
| Name | Staff |
| Code | STAFF |
| DBMS | SAP SQL Anywhere 17 |

IV.2.1.12.2 Check constraint name of the table Staff

CKT_STAFF

IV.2.1.12.3 Server validation rule of the table Staff

%RULES%

IV.2.1.12.4 Code preview of the table Staff

```
if exists(select 1 from sys.sysforeignkey where role='FK_STAFF_CONDUCTS_INTERVIE') then
    alter table STAFF
        delete foreign key FK_STAFF_CONDUCTS_INTERVIE
end if;
```

```
if exists(select 1 from sys.sysforeignkey where role='FK_STAFF_WORKS_AT_OFFICE') then
    alter table STAFF
        delete foreign key FK_STAFF_WORKS_AT_OFFICE
end if;
```

```
drop index if exists STAFF.WORKS_AT_FK;
```

```
drop index if exists STAFF.CONDUCTS_FK;
```

```
drop index if exists STAFF.STAFF_PK;
```

```
drop table if exists STAFF;
```

```

/*=====*/
/* Table: STAFF                                */
/*=====*/
create or replace table STAFF
(
  STAFFID      varchar(5)      not null,
  INTERVIEWID  varchar(5)      null,
  OFFICEID     varchar(5)      not null,
  FNAME        varchar(50)     null,
  LNAME        varchar(60)     null,
  POSITION      varchar(15)     null,
  PHONENUMBER  varchar(12)     null,
  SEX          char(1)         null,
  AGE          integer         null,
  BRANCHNO     varchar(5)      null,
  constraint PK_STAFF primary key clustered (STAFFID)
);

/*=====*/
/* Index: STAFF_PK                            */
/*=====*/
create unique clustered index STAFF_PK on STAFF (
STAFFID ASC
);

/*=====*/
/* Index: CONDUCTS_FK                        */
/*=====*/
create index CONDUCTS_FK on STAFF (
INTERVIEWID ASC
);

/*=====*/
/* Index: WORKS_AT_FK                        */
/*=====*/
create index WORKS_AT_FK on STAFF (
OFFICEID ASC
);

alter table STAFF
  add constraint FK_STAFF_CONDUCTS_INTERVIE foreign key (INTERVIEWID)
    references INTERVIEW (INTERVIEWID)
    on update restrict
    on delete restrict;

alter table STAFF
  add constraint FK_STAFF_WORKS_AT_OFFICE foreign key (OFFICEID)
    references OFFICE (OFFICEID)
    on update restrict
    on delete restrict;

```

IV.2.1.12.5 List of diagrams containing the table Staff

| Name | Code |
|------|------|
|------|------|

| | |
|-----|-----|
| CDM | CDM |
|-----|-----|

IV.2.1.12.6 List of incoming references of the table Staff

| Name | Code |
|-----------|------------|
| Conducts2 | CONDUCTS2 |
| Instructs | INSTRUCTS2 |

IV.2.1.12.7 List of outgoing references of the table Staff

| Name | Code | Foreign Key Columns |
|----------|----------|---------------------|
| Conducts | CONDUCTS | interviewID |
| Works at | WORKS_AT | officeID |

IV.2.1.12.8 List of all dependencies of the table Staff

| Name | Code | Class Name |
|-----------|------------|------------|
| Conducts | CONDUCTS | Reference |
| Conducts2 | CONDUCTS2 | Reference |
| Instructs | INSTRUCTS2 | Reference |
| Works at | WORKS_AT | Reference |

IV.2.1.12.9 List of extended attributes of the table Staff

| Name | Data Type | Value | Target Name |
|-----------------|-------------------|-------|---------------------|
| At | (Physical Option) | | SAP SQL Anywhere 17 |
| DbpaceIn | (Physical Option) | | SAP SQL Anywhere 17 |
| Encrypted | (Physical Option) | false | SAP SQL Anywhere 17 |
| PctFree | (Integer) | | SAP SQL Anywhere 17 |
| SelectStatement | (Physical Option) | | SAP SQL Anywhere 17 |
| TemporaryTable | (String) | | SAP SQL Anywhere 17 |

IV.2.1.12.10 List of columns of the table Staff

| Name | Code |
|-------------|-------------|
| staffID | STAFFID |
| interviewID | INTERVIEWID |
| officeID | OFFICEID |
| fName | FNAME |
| lName | LNAME |
| position | POSITION |
| phoneNumber | PHONENUMBER |
| sex | SEX |
| age | AGE |
| branchNo | BRANCHNO |

IV.2.1.12.11 Column staffID of the table Staff**IV.2.1.12.11.1 Card of the column staffID of the table Staff**

| | |
|-----------|------------|
| Name | staffID |
| Code | STAFFID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.12.11.2 Check constraint name of the column staffID of the table Staff

CKC_STAFFID_STAFF

IV.2.1.12.11.3 Check of the column staffID of the table Staff

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.12.11.4 Server validation rule of the column staffID of the table Staff

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.12.11.5 List of all dependencies of the table column staffID

| Name | Code | Class Name |
|--------------|--------------|----------------|
| Identifier_1 | IDENTIFIER_1 | Key |
| staffID | STAFFID | Index Column |
| ? | ? | Reference Join |
| ? | ? | Reference Join |

IV.2.1.12.11.6 List of extended attributes of the table column staffID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.12.12 Column interviewID of the table Staff**IV.2.1.12.12.1 Card of the column interviewID of the table Staff**

| | |
|-----------|-------------|
| Name | interviewID |
| Code | INTERVIEWID |
| Data Type | varchar(5) |

| | |
|-----------|----|
| Mandatory | No |
|-----------|----|

IV.2.1.12.12.2 Check constraint name of the column interviewID of the table Staff

CKC_INTERVIEWID_STAFF

IV.2.1.12.12.3 Check of the column interviewID of the table Staff

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.12.12.4 Server validation rule of the column interviewID of the table Staff

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.12.12.5 List of all dependencies of the table column interviewID

| Name | Code | Class Name |
|-------------|-------------|----------------|
| interviewID | INTERVIEWID | Index Column |
| ? | ? | Reference Join |

IV.2.1.12.12.6 List of extended attributes of the table column interviewID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.12.13 Column officeID of the table Staff**IV.2.1.12.13.1 Card of the column officeID of the table Staff**

| | |
|-----------|------------|
| Name | officeID |
| Code | OFFICEID |
| Data Type | varchar(5) |
| Mandatory | Yes |

IV.2.1.12.13.2 Check constraint name of the column officeID of the table Staff

CKC_OFFICEID_STAFF

IV.2.1.12.13.3 Check of the column officeID of the table Staff

| | |
|---------------|--|
| Minimum Value | |
| Maximum Value | |
| Default Value | |

| | |
|----------------|----|
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.12.13.4 Server validation rule of the column officeID of the table Staff

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.12.13.5 List of all dependencies of the table column officeID

| Name | Code | Class Name |
|----------|----------|----------------|
| officeID | OFFICEID | Index Column |
| ? | ? | Reference Join |

IV.2.1.12.13.6 List of extended attributes of the table column officeID

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.12.14 Column fName of the table Staff

IV.2.1.12.14.1 Card of the column fName of the table Staff

| | |
|-----------|-------------|
| Name | fName |
| Code | FNAME |
| Data Type | varchar(50) |
| Mandatory | No |

IV.2.1.12.14.2 Check constraint name of the column fName of the table Staff

CKC_FNAME_STAFF

IV.2.1.12.14.3 Check of the column fName of the table Staff

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.12.14.4 Server validation rule of the column fName of the table Staff

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.12.14.5 List of extended attributes of the table column fName

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.12.15 Column lName of the table Staff

IV.2.1.12.15.1 Card of the column lName of the table Staff

| | |
|-----------|-------------|
| Name | lName |
| Code | LNAME |
| Data Type | varchar(60) |
| Mandatory | No |

IV.2.1.12.15.2 Check constraint name of the column lName of the table Staff

CKC_LNAME_STAFF

IV.2.1.12.15.3 Check of the column lName of the table Staff

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.12.15.4 Server validation rule of the column lName of the table Staff

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.12.15.5 List of extended attributes of the table column lName

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.12.16 Column position of the table Staff

IV.2.1.12.16.1 Card of the column position of the table Staff

| | |
|-----------|-------------|
| Name | position |
| Code | POSITION |
| Data Type | varchar(15) |
| Mandatory | No |

IV.2.1.12.16.2 Check constraint name of the column position of the table Staff

CKC_POSITION_STAFF

IV.2.1.12.16.3 Check of the column position of the table Staff

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.12.16.4 Server validation rule of the column position of the table Staff

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.12.16.5 List of extended attributes of the table column position

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.12.17 Column phoneNumber of the table Staff**IV.2.1.12.17.1 Card of the column phoneNumber of the table Staff**

| | |
|-----------|-------------|
| Name | phoneNumber |
| Code | PHONENUMBER |
| Data Type | varchar(12) |
| Mandatory | No |

IV.2.1.12.17.2 Check constraint name of the column phoneNumber of the table Staff

CKC_PHONENUMBER_STAFF

IV.2.1.12.17.3 Check of the column phoneNumber of the table Staff

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.12.17.4 Server validation rule of the column phoneNumber of the table Staff

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.12.17.5 List of extended attributes of the table column phoneNumber

| Name | Data Type | Value | Target Name |
|------|-----------|-------|-------------|
|------|-----------|-------|-------------|

| | | | |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.12.18 Column sex of the table Staff

IV.2.1.12.18.1 Card of the column sex of the table Staff

| | |
|-----------|---------|
| Name | sex |
| Code | SEX |
| Data Type | char(1) |
| Mandatory | No |

IV.2.1.12.18.2 Check constraint name of the column sex of the table Staff

CKC_SEX_STAFF

IV.2.1.12.18.3 Check of the column sex of the table Staff

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.12.18.4 Server validation rule of the column sex of the table Staff

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.12.18.5 List of extended attributes of the table column sex

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.12.19 Column age of the table Staff

IV.2.1.12.19.1 Card of the column age of the table Staff

| | |
|-----------|---------|
| Name | age |
| Code | AGE |
| Data Type | integer |
| Mandatory | No |

IV.2.1.12.19.2 Check constraint name of the column age of the table Staff

CKC_AGE_STAFF

IV.2.1.12.19.3 Check of the column age of the table Staff

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.12.19.4 Server validation rule of the column age of the table Staff

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.12.19.5 List of extended attributes of the table column age

| Name | Data Type | Value | Target Name |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.12.20 Column branchNo of the table Staff**IV.2.1.12.20.1 Card of the column branchNo of the table Staff**

| | |
|-----------|------------|
| Name | branchNo |
| Code | BRANCHNO |
| Data Type | varchar(5) |
| Mandatory | No |

IV.2.1.12.20.2 Check constraint name of the column branchNo of the table Staff

CKC_BRANCHNO_STAFF

IV.2.1.12.20.3 Check of the column branchNo of the table Staff

| | |
|----------------|----|
| Minimum Value | |
| Maximum Value | |
| Default Value | |
| Unit | |
| Format | |
| Cannot Modify | No |
| List Of Values | |

IV.2.1.12.20.4 Server validation rule of the column branchNo of the table Staff

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

IV.2.1.12.20.5 List of extended attributes of the table column branchNo

| Name | Data Type | Value | Target Name |
|------|-----------|-------|-------------|
|------|-----------|-------|-------------|

| | | | |
|------------|-----------|-------|---------------------|
| Compressed | (Boolean) | false | SAP SQL Anywhere 17 |
| DefaultExt | (String) | | SAP SQL Anywhere 17 |

IV.2.1.12.21 List of keys of the table Staff

| Name | Code | Primary |
|--------------|--------------|---------|
| Identifier_1 | IDENTIFIER_1 | X |

IV.2.1.12.22 Key Identifier_1 of the table Staff

IV.2.1.12.22.1 Card of the key Identifier_1 of the table Staff

| | |
|-------|--------------|
| Name | Identifier_1 |
| Code | IDENTIFIER_1 |
| Table | Staff |

IV.2.1.12.22.2 Code preview of the key Identifier_1 of the table Staff

```

if exists(
  select 1 from sys.sysconstraint k
    join sys.systab t on (t.object_id = k.table_object_id and t.table_name='STAFF')
  where
    k.constraint_type = 'P'
) then
  alter table STAFF
    delete primary key
end if;

```

IV.2.1.12.22.3 List of columns of the table key Identifier_1

| Name | Code |
|---------|---------|
| staffID | STAFFID |

IV.2.1.12.22.4 List of all dependencies of the table key Identifier_1

| Name | Code | Class Name |
|-----------|------------|------------|
| Conducts2 | CONDUCTS2 | Reference |
| Instructs | INSTRUCTS2 | Reference |
| STAFF_PK | STAFF_PK | Index |

IV.2.1.12.23 List of indexes of the table Staff

| Name | Code | Unique | Cluster | Primary | Foreign Key | Alternate Key |
|-------------|-------------|--------|---------|---------|-------------|---------------|
| STAFF_PK | STAFF_PK | X | X | X | | |
| CONDUCTS_FK | CONDUCTS_FK | | | | X | |
| WORKS_AT_FK | WORKS_AT_FK | | | | X | |

| | | | | | | |
|---|--|--|--|--|--|--|
| K | | | | | | |
|---|--|--|--|--|--|--|

IV.2.1.12.24 Index STAFF_PK of the table Staff

IV.2.1.12.24.1 Card of the index STAFF_PK of the table Staff

| | |
|---------------|----------|
| Name | STAFF_PK |
| Code | STAFF_PK |
| Unique | Yes |
| Cluster | Yes |
| Primary | Yes |
| Foreign Key | No |
| Alternate Key | No |
| Table | Staff |

IV.2.1.12.24.2 Code preview of the index STAFF_PK of the table Staff

drop index if exists STAFF.STAFF_PK;

```

/*=====*/
/* Index: STAFF_PK                                */
/*=====*/
create unique clustered index STAFF_PK on STAFF (
STAFFID ASC
);

```

IV.2.1.12.24.3 List of index columns of the table index STAFF_PK

| Name | Code |
|---------|---------|
| staffID | STAFFID |

IV.2.1.12.24.4 List of extended attributes of the table index STAFF_PK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.12.25 Index CONDUCTS_FK of the table Staff

IV.2.1.12.25.1 Card of the index CONDUCTS_FK of the table Staff

| | |
|--------|-------------|
| Name | CONDUCTS_FK |
| Code | CONDUCTS_FK |
| Unique | No |

| | |
|---------------|-------|
| Cluster | No |
| Primary | No |
| Foreign Key | Yes |
| Alternate Key | No |
| Table | Staff |

IV.2.1.12.25.2 Code preview of the index CONDUCTS_FK of the table Staff

drop index if exists STAFF.CONDUCTS_FK;

```

/*=====*/
/* Index: CONDUCTS_FK */
/*=====*/
create index CONDUCTS_FK on STAFF (
INTERVIEWID ASC
);

```

IV.2.1.12.25.3 List of index columns of the table index CONDUCTS_FK

| Name | Code |
|-------------|-------------|
| interviewID | INTERVIEWID |

IV.2.1.12.25.4 List of extended attributes of the table index CONDUCTS_FK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

IV.2.1.12.26 Index WORKS_AT_FK of the table Staff

IV.2.1.12.26.1 Card of the index WORKS_AT_FK of the table Staff

| | |
|---------------|-------------|
| Name | WORKS_AT_FK |
| Code | WORKS_AT_FK |
| Unique | No |
| Cluster | No |
| Primary | No |
| Foreign Key | Yes |
| Alternate Key | No |
| Table | Staff |

IV.2.1.12.26.2 Code preview of the index WORKS_AT_FK of the table Staff

drop index if exists STAFF.WORKS_AT_FK;


```

/*=====*/
/* Index: WORKS_AT_FK */
/*=====*/
create index WORKS_AT_FK on STAFF (
OFFICEID ASC
);

```

IV.2.1.12.26.3 List of index columns of the table index WORKS_AT_FK

| Name | Code |
|----------|----------|
| officeID | OFFICEID |

IV.2.1.12.26.4 List of extended attributes of the table index WORKS_AT_FK

| Name | Data Type | Value | Target Name |
|-------------|-------------------|-------|---------------------|
| DelimitedBy | (Physical Option) | | SAP SQL Anywhere 17 |
| In | (Physical Option) | | SAP SQL Anywhere 17 |
| Limit | (Physical Option) | | SAP SQL Anywhere 17 |
| Notify | (Physical Option) | | SAP SQL Anywhere 17 |
| TextIndex | (Boolean) | false | SAP SQL Anywhere 17 |
| Virtual | (Boolean) | false | SAP SQL Anywhere 17 |

