

```
CREATE TABLE student(
    Register_no NUMBER(20),Name VARCHAR(38),Date_of_Birth DATE
);
```

Column Name	Data Type	Nullable	Default	Primary Key
REGISTER_NO	NUMBER(20,0)	Yes	-	-
NAME	VARCHAR2(38)	Yes	-	-
DATE_OF_BIRTH	DATE	Yes	-	-
BLOODGRP	VARCHAR2(20)	Yes	-	-

```
ALTER TABLE student
ADD bloodgrp VARCHAR(20);
```

Column Name	Data Type	Nullable	Default	Primary Key
REGISTER_NO	NUMBER(20,0)	Yes	-	-
NAME	VARCHAR2(38)	Yes	-	-
DATE_OF_BIRTH	DATE	Yes	-	-
BLOODGRP	VARCHAR2(20)	Yes	-	-
USE_LESS	VARCHAR2(20)	Yes	-	-

```
ALTER TABLE student ADD PRIMARY KEY (register_no);
```

Column Name	Data Type	Nullable	Default	Primary Key
REGISTER_NO	NUMBER(20,0)	No	-	1
NAME	VARCHAR2(38)	Yes	-	-
DATE_OF_BIRTH	DATE	Yes	-	-
BLOODGRP	VARCHAR2(20)	Yes	-	-
USE_LESS	VARCHAR2(20)	Yes	-	-

```
ALTER TABLE student
ADD use_less VARCHAR(20);
```

Column Name	Data Type	Nullable	Default	Primary Key
REGISTER_NO	NUMBER(20,0)	No	-	1
NAME	VARCHAR2(38)	Yes	-	-
DATE_OF_BIRTH	DATE	Yes	-	-
BLOODGRP	VARCHAR2(20)	Yes	-	-
USE_LESS	VARCHAR2(20)	Yes	-	-
BLOODGRP	VARCHAR2(20)	Yes	-	-

```
ALTER TABLE student
DROP (use_less);
```

Tables

Q

Tables

DEPARTMENT

STUDENT

STUDENT1

STUDENT

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

REST

Sample Queries

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Create App

Column Name	Data Type	Nullable	Default	Primary Key
REGISTER_NO	NUMBER(20,0)	No	-	1
NAME	VARCHAR2(38)	Yes	-	-
DATE_OF_BIRTH	DATE	Yes	-	-
BLDODGRP	VARCHAR2(20)	Yes	-	-

Download | Print

Tables

Q

STUDENT

STUDENT1

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

REST

Sample Queries

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Create App

Column Name	Data Type	Nullable	Default	Primary Key
REGNO	NUMBER(20,0)	No	-	1
STD_NAME	VARCHAR2(38)	No	-	-
DATE_OF_BIRTH	DATE	Yes	-	-
BLOODGRP	VARCHAR2(20)	Yes	-	-

Download | Print

INSERT INTO student VALUES(059,'shini',2000,'A');

INSERT INTO student VALUES(057,'bob',2000,'B');

INSERT into student VALUES(056,'ken',2001,'O');

INSERT INTO student VALUES(055,'jen',2003,'AB');

INSERT INTO student VALUES(052,'kate',2005,'B');

Tables

Q

STUDENT

STUDENT1

DEPARTMENT

STUDENT

STUDENT1

STUDENT

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

REST

Sample Queries

Query

Count Rows

Insert Row

Load Data

EDIT

REGNO

STD_NAME

DATE_OF_BIRTH

BLOODGRP

59

shini

2000

A

57

bob

2000

B

56

ken

2001

C

55

jen

2003

AB

52

kate

2005

B

Download

SELECT * FROM student

ORDER BY Regno;

View:

Detail

Summary

Show:

Statement

Results

Feedback

Go

SELECT * FROM student ORDER BY Regno

REGNO	STD_NAME	DATE_OF_BIRTH	BLOODGRP
52	kate	2005	B
55	jen	2003	AB
56	ken	2001	C
57	bob	2000	B
59	shini	2000	A

5 rows selected. 0.01 seconds

Run By

IN_A816_PLSQL_S38

Parsing Schema

IN_A816_PLSQL_S38

Script Started

Saturday, July 27, 2024

2 minutes ago

Elapsed time

0.01 seconds

Statements Processed

1

Successful

1

With Errors

0

Download

SELECT * FROM student

WHERE Regno BETWEEN 52 AND 59;

SQL Scripts \ Results

Script: student Status: Complete

View:

Detail

Summary

Show:

Statement

Results

Feedback

Go

Create App

Edit Script

SELECT * FROM student WHERE Regno BETWEEN 52 AND 59

REGNO	STD_NAME	DATE_OF_BIRTH	BLOODGRP
52	kate	2005	B
55	jen	2003	AB
56	ken	2001	C
57	bob	2000	B
59	shini	2000	A

5 rows selected. 0.00 seconds

Run By

IN_A816_PLSQL_S38

Parsing Schema

IN_A816_PLSQL_S38

Script Started












Saturday, July 27, 2024

14 seconds ago

Elapsed time

0.00 seconds

```
INSERT INTO studentnew VALUES (1974,'gopi','natha',50,'A1B');
INSERT INTO studentnew VALUES(1976,'janagi','ram',48,'A1B');
INSERT INTO studentnew VALUES(1978,'sudha','gar',46,'B');
INSERT INTO studentnew VALUES (1980,'buvana','devi',44,'O');
INSERT INTO studentnew VALUES(1984,'hemalatha','devi',40,'O');
INSERT INTO studentnew VALUES(1984,'shan','thi',40,'B');
INSERT INTO studentnew VALUES (2001,'parwar','thiney',22,'O');
INSERT INTO studentnew VALUES(2002,'Bhar','ath',21,'B');
INSERT INTO studentnew VALUES(2003,'shree','varthini',20,'A');
INSERT INTO studentnew VALUES (2005,'dhar','shini',18,'A');
INSERT INTO studentnew VALUES(2008,'kish','ore',16,'A');
INSERT INTO studentnew VALUES(2005,'prisha','jecintha',18,'B');
INSERT INTO studentnew VALUES (2005,'dorthy','silviya',18,, 'O');
INSERT INTO studentnew VALUES(2005,'benita','sherlin',18,'O');
INSERT INTO studentnew VALUES(2005,'prii','yall',18,'AB');
INSERT INTO studentnew VALUES (2004,'mai','threyee',20,'O');
INSERT INTO studentnew VALUES(2004,'haar','iini',20,'O');
INSERT INTO studentnew VALUES(2005,'shaarra','shinii',18,'A');
INSERT INTO studentnew VALUES(2006,'jaya','harini',17,'B');
INSERT INTO studentnew VALUES(2005,'abi','naayaa',18,'B');
```

EDIT	BOD	FIRST_NAME	LAST_NAME	MARK	BLOODGRP	STD_ID
	1974	gopi	natha	50	A1B	101
	1976	janagi	ram	48	A1B	102
	1978	sudha	gar	46	B	103
	1980	buvana	devi	44	O	104
	1984	hemalatha	devi	40	O	105
	1984	shan	thi	40	B	106
	2001	parwar	thiney	22	O	107
	2002	Bhar	ath	21	B	108
	2003	shree	varthini	20	A	109
	2005	dhar	shini	18	A	110
	2008	kish	ore	16	A	111

SELECT FIRST_NAME || LAST_NAME AS NAME FROM studentnew;

```
SELECT FIRST_NAME || LAST_NAME AS NAME FROM studentnew
```

NAME
gopinatha
janagiram
sudhagar
buvanadevi
hemalathadevi
shanthi
parwarthiney
Bharath
shreevarthini
dharshini
kishore
prishajecintho
dorthysilviya
benitasherlin
priiyall
maithreyee
haariini
shaarrashinii

```
CREATE TABLE person(
```

```
    personId NUMERIC PRIMARY KEY,
```

```
    pname VARCHAR(10),
```

```
    page NUMERIC
```

```
)
```

PERSON

+ v

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Create App

Column Name	Data Type	Nullable	Default	Primary Key
PERSONID	NUMBER	No	-	1
PNAME	VARCHAR2(10)	Yes	-	-
PAGE	NUMBER	Yes	-	-

Download | Print

```
CREATE TABLE order1 (
  orderId NUMERIC PRIMARY KEY,
  oname VARCHAR(10),
  odate NUMERIC
)
```

ORDER1					+ v					
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
Add Column		Modify Column		Rename Column		Drop Column		Rename		Copy
Drop		Truncate								
Create Lookup Table		Create App								
Column Name		Data Type	Nullable	Default	Primary Key					
ORDERID		NUMBER	No	-	1					
ONAME		VARCHAR2(10)	Yes	-	-					
ODATE		NUMBER	Yes	-	-					
Download Print										

```
ALTER TABLE order1
ADD FOREIGN KEY (personId)REFERENCES person(personId);
```




```
SELECT o.*, p.*  
FROM ORDER1 o  
INNER JOIN PERSON p ON o.PERSONID = p.PERSONID;
```

ORDERID	ONAME	ODATE	PERSONID	PERSONID	PNAME	PAGE
124	Skincare	0	15	15	Harini	20
121	Skincare	0	10	10	Dharshini	18
122	Gadgets	0	11	11	Mathreyee	20
123	Makeup	0	12	12	Priyal	18

EDIT	BCD	FIRST_NAME	LAST_NAME	MARK	BLOODGRP	STD_ID	DEPT_ID
	1974	gori	natha	50	A/B	101	90
	1975	janagi	ram	48	A/B	102	90
	1976	sudha	giri	46	B	103	90
	1980	buvana	dori	44	O	104	80
	1984	hemalatha	dori	40	O	105	80
	1984	shan	shan	40	B	106	80
	2001	janani	thiray	22	O	107	70
	2002	shan	ath	21	B	108	90
	2003	shree	vardhini	20	A	109	60
	2005	shan	shan	18	A	110	70
	2008	shri	shri	16	A	111	90
	2009	prafin	prafin	16	B	112	70
	2009	darthy	shriya	16	O	113	90
	2009	harika	sharika	16	O	114	60
	2009	pri	vall	16	A/B	115	70

```
SELECT FIRST_NAME || LAST_NAME AS NAME,  
CASE DEPT_ID  
WHEN 90 THEN 'BUSINESS'  
WHEN 80 THEN 'MANAGEMENT'
```

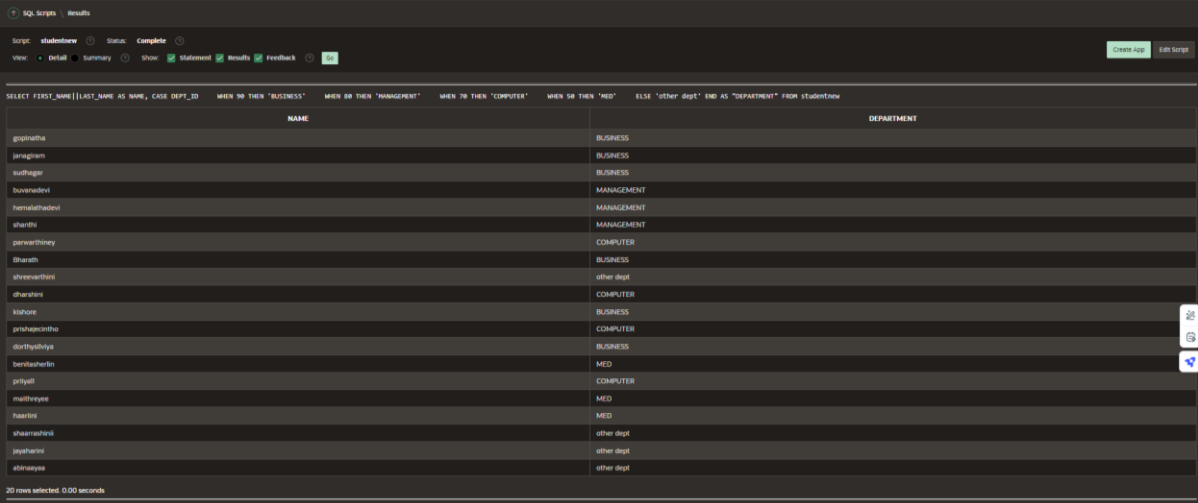
WHEN 70 THEN 'COMPUTER'

WHEN 50 THEN 'MED'

ELSE 'other dept'

END AS "DEPARTMENT"

FROM studentnew;



SQL Scripts Results

Script: studentnew Status: complete

View: Detail Summary Show Statement Results Feedback

CREATE VIEW Edit Script

SELECT FIRST_NAME||LAST_NAME AS NAME, CASE DEPT_ID WHEN 90 THEN 'BUSINESS' WHEN 80 THEN 'MANAGEMENT' WHEN 70 THEN 'COMPUTER' WHEN 50 THEN 'MED' ELSE 'other dept' END AS "DEPARTMENT" FROM studentnew

NAME	DEPARTMENT
gopinatha	BUSINESS
janaganen	BUSINESS
sudhagar	BUSINESS
bouvenadevi	MANAGEMENT
hemalathadevi	MANAGEMENT
shantha	MANAGEMENT
parvathiboy	COMPUTER
tharath	BUSINESS
shreevarthra	other dept
chandrani	COMPUTER
kalhore	BUSINESS
prahelacanthu	COMPUTER
durthyashika	BUSINESS
berthacharlin	MED
prityall	COMPUTER
mathreyasa	MED
haarith	MED
sharmasthara	other dept
jayashree	other dept
elavayasa	other dept

20 rows selected. 0.00 seconds

SELECT FIRST_NAME||LAST_NAME AS NAME,

DECODE(DEPT_ID,

90 , 'BUSINESS',

80 , 'MANAGEMENT',

70 , 'COMPUTER',

50 , 'MED',

'other dept')

AS "DEPARTMENT"

FROM studentnew;

SQL Scripts Results

Script: **studentnew** Status: **Complete**

View: ☒ Detail ☐ Summary Show: ☒ Statement ☒ Results ☒ Feedback

```
SELECT FIRST_NAME||LAST_NAME AS NAME, DECODE( DEPT_ID, 90 , 'BUSINESS', 80 , 'MANAGEMENT', 70 , 'COMPUTER', 50 , 'MED', 'other dept') AS "DEPARTMENT"
FROM studentnew
```

NAME	DEPARTMENT
gopinatha	BUSINESS
janagiram	BUSINESS
sudhagar	BUSINESS
buvanadevi	MANAGEMENT
hemalathadevi	MANAGEMENT
shanthi	MANAGEMENT
parwarthiney	COMPUTER
Bharath	BUSINESS
shreevarthini	other dept
dharshini	COMPUTER
kishore	BUSINESS
prishajecintha	COMPUTER
dorthysilviya	BUSINESS
benitasherlin	MED
priiyall	COMPUTER
maithreyee	MED
haariini	MED
shaarrashinii	other dept
jayaharini	other dept
abinaayaa	other dept

20 rows selected. 0.00 seconds

SELECT personId,PNAME,orderid

From person

natural join order1 ;

Script: **order1** Status: **Complete**

View: ☒ Detail ☐ Summary Show: ☒ Statement ☒ Results ☒ Feedback

```
SELECT personId,PNAME,orderid From person natural join order1
```

PERSONID	PNAME	ORDERID
10	Dharshini	121
11	Msithreyee	122
12	Priyal	123
13	Harini	124

4 rows selected. 0.01 seconds

SELECT p.personId,p.PNAME,o.orderid

From person p

cross join order1 o;

Script: order1 ?	Status: Complete ?	
View: <input checked="" type="radio"/> Detail <input type="radio"/> Summary ?	Create App	Edit Script
Show: <input checked="" type="checkbox"/> Statement <input checked="" type="checkbox"/> Results <input checked="" type="checkbox"/> Feedback ?	Go	
SELECT p.personId,p.PNAME,o.orderid From person p cross join order1 o		
PERSONID	PNAME	ORDERID
10	Dharshini	121
10	Dharshini	122
10	Dharshini	123
10	Dharshini	124
11	Msithreyee	121
11	Msithreyee	122
11	Msithreyee	123
11	Msithreyee	124
12	Priyal	121
12	Priyal	122
12	Priyal	123
12	Priyal	124
13	Harini	121
13	Harini	122

create table school(

schlid numeric,

schlname varchar(15),

schlloc varchar(20),

schzipc numeric

);

SCHOOL

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

S

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Create App

Column Name	Data Type	Nullable	Default	Primary Key
SCHLID	NUMBER	Yes	-	-
SCHLNAME	VARCHAR2(15)	Yes	-	-
SCHLLOC	VARCHAR2(20)	Yes	-	-
SCHZIPC	NUMBER	Yes	-	-

Download | Print

INSERT INTO school values(1025, 'dominics', 'buttroad', 600016);

INSERT INTO school values(1045, 'monfort', 'guindy', 600016);

INSERT INTO school values(1035, 'marians', 'thomasmount', 600016);

INSERT INTO school values(1085, 'velammal', 'ponneri', 601204);

INSERT INTO school values(1075, 'imuneal', 'pattabiram', 600072);

SCHOOL

+ v

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies






S

Query

Count Rows

Insert Row

Load Data

EDIT	SCHLID	SCHLNAME	SCHLLOC	SCHZIPC
	1025	dominics	buttroad	600016
	1045	monfort	gulindy	600016
	1035	marlans	thomasmount	600016
	1085	velammal	ponner1	601204
	1075	lmuneal	pattabiram	600072

Download

row(s) 1 - 5 of 5

create table studentt(

stdlid numeric,

schlname varchar(15),

```
stdname varchar(20),
studstd numeric
);
```

Schema

IN_A816_PLSQL_S14

STUDENTT

+ v

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Create App

Column Name	Data Type	Nullable	Default	Primary Key
STDLID	NUMBER	Yes	-	-
SCHLNAME	VARCHAR2(15)	Yes	-	-
STDNAME	VARCHAR2(20)	Yes	-	-
STUDSTD	NUMBER	Yes	-	-

Download

 |

Print

```
INSERT INTO studentt values(1201, 'dominics', 'Dharshini J', 2023);
INSERT INTO studentt values(1202, 'dominics', 'Shreevarthini G', 2021);
INSERT INTO studentt values(1203, 'dominics', 'Parwarthiney Go', 2019);
INSERT INTO studentt values(1204, 'dominics', 'Varshitha R', 2023);
INSERT INTO studentt values(1205, 'dominics', 'Jeemol J', 2023);
INSERT INTO studentt values(1206, 'dominics', 'Prisha V', 2021);
INSERT INTO studentt values(1207, 'dominics', 'Dorthy J', 2023);
INSERT INTO studentt values(1301, 'monfort', 'Baratha S', 2020);
INSERT INTO studentt values(1305, 'monfort', 'Martina', 2021);
INSERT INTO studentt values(1308, 'monfort', 'kishor', 2026);
INSERT INTO studentt values(1309, 'monfort', 'sasilakha', 2025);
INSERT INTO studentt values(1401, 'marians', 'somash', 2023);
INSERT INTO studentt values(1402, 'marians', 'monish', 2023);
INSERT INTO studentt values(1501, 'velammal', 'maithreyee', 2022);
INSERT INTO studentt values(1502, 'velammal', 'harini', 2022);
INSERT INTO studentt values(1505, 'velammal', 'charmi', 2023);
```

INSERT INTO studentt values(1605, 'imuneal', ' jayaharini', 2023);

INSERT INTO studentt values(1606, 'imuneal', ' abirami', 2022);

Object Browser

SchemaIN_A816_PLSQL_S14

STUDENTT

TableDataIndexesModelConstraintsGrantsStatisticsUI DefaultsTriggersDependenciesSQLRESTSample Queries

QueryCount RowsInsert RowLoad Data

EDIT	STDLID	SCHLNAME	STDNAME	STUDSTD
	1201	dominics	Dharshini J	2023
	1202	dominics	Shreevarthini G	2021
	1203	dominics	Parwarthiney Go	2019
	1204	dominics	Varshitha R	2023
	1205	dominics	Jeemol J	2023
	1206	dominics	Prisha V	2021
	1207	dominics	Dorthy J	2023
	1301	monfort	Baratha S	2020
	1305	monfort	Martina	2021
	1308	monfort	kishor	2026
	1309	monfort	sasilakha	2025
	1401	marlans	somash	2023
	1402	marlans	monish	2023
	1501	velammal	mathreyee	2022
	1502	velammal	harini	2022

Download

row(s) 1 - 15 of 18Next

ALTER TABLE studentt

MODIFY schlname CHAR(20);

Object Browser

SchemaIN_A816_PLSQL_S14

STUDENTT

TableDataIndexesModelConstraintsGrantsStatisticsUI DefaultsTriggersDependenciesSQLRESTSample Queries

Add ColumnModify ColumnRename ColumnDrop ColumnRenameCopyDropTruncateCreate Lookup TableCreate App

Column Name	Data Type	Nullable	Default	Primary Key
STDLID	NUMBER	Yes	-	-
SCHLNAME	CHAR(20)	Yes	-	-
STDNAME	VARCHAR2(20)	Yes	-	-
STUDSTD	NUMBER	Yes	-	-

Download | Print

ALTER TABLE studentt

MODIFY schlname VARCHAR(20);

Object Browser

SchemaIN_A816_PLSQL_S14

STUDENTT

Table

DataIndexesModelConstraintsGrantsStatisticsUI DefaultsTriggersDependenciesSQLRESTSample Queries

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Create App

Column Name	Data Type	Nullable	Default	Primary Key
STDLID	NUMBER	Yes	-	-
SCHLNNAME	VARCHAR2(20)	Yes	-	-
STDNAME	VARCHAR2(20)	Yes	-	-
STUDSTD	NUMBER	Yes	-	-

Download | Print

SELECT stdlid, schlname, stdname, studstd

FROM studentt

JOIN school USING (schlname);

create table table1(

tid varchar(10),

tname varchar(10)

);

TABLE1

Table

DataIndexesModelConstraintsGrantsStatisticsUI DefaultsTriggersDependenciesSQLRESTSample Queries

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Create App

Column Name	Data Type	Nullable	Default	Primary Key
TID	VARCHAR2(10)	Yes	-	-
TNAME	VARCHAR2(10)	Yes	-	-

Download | Print

create table table2(

tid numeric ,

tbnname varchar(10)

);

TABLE2												+ ▾
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL	REST	Sample Queries
<div>Add Column</div> <div>Modify Column</div> <div>Rename Column</div> <div>Drop Column</div> <div>Rename</div> <div>Copy</div> <div>Drop</div> <div>Truncate</div> <div>Create Lookup Table</div> <div>Create App</div>												
Column Name		Data Type		Nullable		Default		Primary Key				
TID		NUMBER		Yes		-		-				
TBNAME		VARCHAR2(10)		Yes		-		-				
Download Print												

insert into table1 values('01','Ab');

insert into table1 values('02','Ac');

insert into table2 values(01,'Ba');

insert into table2 values(02,'Bc');

Select tid,tname

from table1 join table2 using(tid);

Script: **table1** ?

Status: **Complete** ?

View: ☒ **Detail** ☐ Summary ?

Show: ☒ **Statement** ☒ **Results** ☒ **Feedback** ?

Go

Create App

Edit Script

Select tid,tname from table1 join table2 using(tid)

TID	TNAME
1	Ab
2	Ac

2 rows selected. 0.01 seconds

Run By	IN_A816_PLSQL_S14
Parsing Schema	IN_A816_PLSQL_S14
Script Started	Thursday, August 1, 2024
	14 seconds ago
Elapsed time	0.01 seconds

```
Select tid,tname,tbname
from table1 join table2 using(tid)
where tid =01;
```

↑ SQL Scripts \ Results

Script: **table1** ? Status: **Complete** ?

View: ☒ Detail ☐ Summary ?

Show: ☒ Statement ☒ Results ☒ Feedback ? Go

Create App Edit Script

Select tid,tname,tbname from table1 join table2 using(tid) where tid =01

TID	TNAME	TBNAME
1	Ab	Ba

Statement processed. 0.02 seconds

```
select tid,tname,tbname,taname
from table1
join table2 using(tid)
join table3 using(tid);
```

↑ SQL Scripts \ Results

Script: **table3** ? Status: **Complete** ?

View: ☒ Detail ☐ Summary ?

Show: ☒ Statement ☒ Results ☒ Feedback ? Go

Create App Edit Script

select tid,tname,tbname,taname from table1 join table2 using(tid) join table3 using(tid)

TID	TNAME	TBNAME	TANAME
1	Ab	Ba	Ca
2	Ac	Bc	Cb

2 rows selected. 0.01 seconds

update table3

set tage =2023

where tid=01;