



Action Processed.



My Scripts \ Script



Actions



Edit Attributes



Run Script

Name	Tutorial 1 - SUBMISSION
Description	CB.SC.I5DAS20032
Area	-
Visibility	Private - you are the only person who can access
Tags	-
Script Results	Your script results are current. <a href="#">What's This?</a>
Last Updated	Sunday February 27, 2022 (Created 5 minutes ago)
Metrics	1 Executions, 56 Statements, 4,205 bytes

Statement 1

Edit

```
create table authors(authorid char(5) primary key,
  firstname varchar(50),
  surname varchar(50))
```

Table created.

Statement 2

Edit

```
desc authors
```

TABLE AUTHORS

Column	Null?	Type
AUTHORID	NOT NULL	CHAR(5)
FIRSTNAME	-	VARCHAR2(50)
SURNAME	-	VARCHAR2(50)

Download CSV

3 rows selected.

Statement 3

Edit

```
insert into authors values ('A1', 'Yann', 'Martel')
```

1 row(s) inserted.

Live SQL

 Action Processed.



	1 row(s) inserted.									
Statement 5 <div><div></div><div>Edit</div></div>	<pre>insert into authors values ('A3', 'Tonni', 'Morisson')</pre> 1 row(s) inserted.									
Statement 6 <div><div></div><div>Edit</div></div>	<pre>insert into authors values ('A4', 'Josh', 'Malerman')</pre> 1 row(s) inserted.									
Statement 7 <div><div></div><div>Edit</div></div>	<pre>insert into authors values ('A5', 'Shirley', 'Jackson')</pre> 1 row(s) inserted.									
Statement 8 <div><div></div><div>Edit</div></div>	<pre>insert into authors values ('A6', 'Michelle', 'Obama')</pre> 1 row(s) inserted.									
Statement 9 <div><div></div><div>Edit</div></div>	<pre>insert into authors values ('A7', 'Jeannette', 'Walls')</pre> 1 row(s) inserted.									
Statement 10 <div><div></div><div>Edit</div></div>	<pre>create table types(   typeid char(5) primary key,   name_ varchar(50) )</pre> Table created.									
Statement 11 <div><div></div><div>Edit</div></div>	<pre>desc types</pre> <div>TABLE TYPES</div> <table><tr><th>Column</th><th>Null?</th><th>Type</th></tr><tr><td>TYPEID</td><td>NOT NULL</td><td>CHAR(5)</td></tr><tr><td>NAME_</td><td>-</td><td>VARCHAR2(50)</td></tr></table> <div>Download CSV</div> 2 rows selected.	Column	Null?	Type	TYPEID	NOT NULL	CHAR(5)	NAME_	-	VARCHAR2(50)
Column	Null?	Type								
TYPEID	NOT NULL	CHAR(5)								
NAME_	-	VARCHAR2(50)								

Live SQL

Action Processed.

1 row(s) inserted.

Statement 13

Edit

insert into types values ('T2', 'Classic')

1 row(s) inserted.

Statement 14

Edit

insert into types values ('T3', 'Horror')

1 row(s) inserted.

Statement 15

Edit

insert into types values ('T4', 'Memoir')

1 row(s) inserted.

Statement 16

Edit

insert into types values ('T5', 'Novel')

1 row(s) inserted.

Statement 17

Edit

create table books(  
bookid char(5) primary key,  
name\_ varchar(50),  
pagecount int,  
point\_ int,  
authorid char(5),  
foreign key(authorid) references authors,  
typeid char(5),  
foreign key(typeid) references types  
)

Table created.

Statement 18

Edit

desc books

TABLE BOOKS

Column	Null?	Type
BOOKID	NOT NULL	CHAR(5)
NAME_	-	VARCHAR2(50)
PAGECOUNT	-	NUMBER
POINT_	-	NUMBER
AUTHORID	-	CHAR(5)

Live SQL

 Action Processed.



<div>Statement 19</div> <div> <div>Edit</div></div>	<div><pre>insert into books values ('B1', 'Becoming', 500, 5, 'A6', 'T4')</pre></div> <div>1 row(s) inserted.</div>
<div>Statement 20</div> <div> <div>Edit</div></div>	<div><pre>insert into books values ('B2', 'Beloved', 560, 3, 'A3', 'T2')</pre></div> <div>1 row(s) inserted.</div>
<div>Statement 21</div> <div> <div>Edit</div></div>	<div><pre>insert into books values ('B3', 'Martin Eden', 750, 2, 'A2', 'T4')</pre></div> <div>1 row(s) inserted.</div>
<div>Statement 22</div> <div> <div>Edit</div></div>	<div><pre>insert into books values ('B4', 'Bird box', 780, 1, 'A4', 'T3')</pre></div> <div>1 row(s) inserted.</div>
<div>Statement 23</div> <div> <div>Edit</div></div>	<div><pre>insert into books values ('B5', 'Life of pi', 680, 5, 'A1', 'T1')</pre></div> <div>1 row(s) inserted.</div>
<div>Statement 24</div> <div> <div>Edit</div></div>	<div><pre>insert into books values ('B6', 'The haunting of hill house', 480, 3, 'A5', 'T3')</pre></div> <div>1 row(s) inserted.</div>
<div>Statement 25</div> <div> <div>Edit</div></div>	<div><pre>insert into books values ('B7', 'The call of the wild', 720, 3, 'A2', 'T1')</pre></div> <div>1 row(s) inserted.</div>
<div>Statement 26</div> <div> <div>Edit</div></div>	<div><pre>insert into books values ('B8', 'The glass castle', 900, 2, 'A7', 'T4')</pre></div> <div>1 row(s) inserted.</div>
<div>Statement 27</div> <div> <div>Edit</div></div>	<div><pre>insert into books values ('B9', 'Self', 980, 4, 'A1', 'T5')</pre></div> <div>1 row(s) inserted.</div>

Live SQL

Action Processed.

1 row(s) inserted.

Statement 29

Edit

insert into books values ('B11', 'Afterwards', 650, 5, 'A7', 'T3')

1 row(s) inserted.

Statement 30

Edit

insert into books values ('B12', 'The Scarlet Plague', 600, 1, 'A7', 'T2')

1 row(s) inserted.

Statement 31

Edit

insert into books values ('B13', 'The lottery', 750, 4, 'A5', 'T3')

1 row(s) inserted.

Statement 32

Edit

create table students(  
studentid int primary key,  
firstname varchar(50),  
surname varchar(50),  
birthdate date,  
gender char(5),  
class\_ char(3),  
point\_ int  
)

Table created.

Statement 33

Edit

desc students

TABLE STUDENTS

Column	Null?	Type
STUDENTID	NOT NULL	NUMBER
FIRSTNAME	-	VARCHAR2(50)
SURNAME	-	VARCHAR2(50)
BIRTHDATE	-	DATE
GENDER	-	CHAR(5)
CLASS_	-	CHAR(3)
POINT_	-	NUMBER

Download CSV

7 rows selected.

Live SQL

✓

Action Processed.

×

	1 row(s) inserted.												
<div>Statement 35</div> <div><div></div><div>Edit</div></div>	<div><pre>insert into students values (102, 'Shyam', 'Sundar', date '1997-08-23', 'M', 'DS', 13)</pre></div> <div>1 row(s) inserted.</div>												
<div>Statement 36</div> <div><div></div><div>Edit</div></div>	<div><pre>insert into students values (103, 'Teena', 'Sundar', date '1996-01-29', 'F', 'DS', 5)</pre></div> <div>1 row(s) inserted.</div>												
<div>Statement 37</div> <div><div></div><div>Edit</div></div>	<div><pre>insert into students values (104, 'Ram', 'Shankar', date '1991-11-25', 'M', 'CSE', 2)</pre></div> <div>1 row(s) inserted.</div>												
<div>Statement 38</div> <div><div></div><div>Edit</div></div>	<div><pre>insert into students values (105, 'Priya', 'David', date '2005-08-27', 'F', 'CSE', 10)</pre></div> <div>1 row(s) inserted.</div>												
<div>Statement 39</div> <div><div></div><div>Edit</div></div>	<div><pre>create table borrows(   borrowid int primary key,   studentid int,   foreign key(studentid) references students,   bookid char(5),   foreign key(bookid) references books,   takendate date,   broughtdate date )</pre></div> <div>Table created.</div>												
<div>Statement 40</div> <div><div></div><div>Edit</div></div>	<div><pre>desc borrows</pre></div> <div>TABLE BORROWS</div> <table><tr><th>Column</th><th>Null?</th><th>Type</th></tr><tr><td>BORROWID</td><td>NOT NULL</td><td>NUMBER</td></tr><tr><td>STUDENTID</td><td>-</td><td>NUMBER</td></tr><tr><td>BOOKID</td><td>-</td><td>CHAR(5)</td></tr></table>	Column	Null?	Type	BORROWID	NOT NULL	NUMBER	STUDENTID	-	NUMBER	BOOKID	-	CHAR(5)
Column	Null?	Type											
BORROWID	NOT NULL	NUMBER											
STUDENTID	-	NUMBER											
BOOKID	-	CHAR(5)											

## Live SQL



Action Processed.

Download CSV

5 rows selected.

Statement 41



Edit

```
insert into borrows values (1001, 103, 'B1', date '2021-12-12', date '2022-01-12')
```

1 row(s) inserted.

Statement 42



Edit

```
insert into borrows values (1002, 101, 'B4', date '2021-01-29', date '2021-02-27')
```

1 row(s) inserted.

Statement 43



Edit

```
insert into borrows values (1003, 102, 'B6', date '2021-01-14', date '2021-02-14')
```

1 row(s) inserted.

Statement 44



Edit

```
insert into borrows values (1004, 105, 'B7', date '2021-04-29', date '2021-05-29')
```

1 row(s) inserted.

Statement 45



Edit

```
insert into borrows values (1005, 104, 'B12', date '2021-12-01', date '2022-01-02')
```

1 row(s) inserted.

Statement 46



Edit

```
insert into borrows values (1006, 102, 'B10', date '2021-08-21', date '2021-09-21')
```

1 row(s) inserted.

Statement 47



Edit

```
insert into borrows values (1007, 103, 'B10', date '2021-03-14', date '2021-04-14')
```

1 row(s) inserted.

Statement 48



Edit

```
insert into borrows values (1008, 103, 'B11', date '2021-08-23', date '2021-09-23')
```

1 row(s) inserted.

Statement 49



Edit

```
insert into borrows values (1009, 104, 'B5', date '2021-01-29', date '2021-02-27')
```

Live SQL



Action Processed.



Statement 50

Edit

```
insert into borrows values (1010, 105, DS, date '2021-11-25', date '2021-12-20');
```

1 row(s) inserted.

Statement 51

Edit

```
select * from students where surname like 'S%' order by birthdate asc
```

STUDENTID	FIRSTNAME	SURNAME	BIRTHDATE	GENDER	CLASS_	POINT_
104	Ram	Shankar	25-NOV-91	M	CSE	2
103	Teena	Sundar	29-JAN-96	F	DS	5
102	Shyam	Sundar	23-AUG-97	M	DS	13
101	John	Smith	27-MAR-05	M	CSE	12

[Download CSV](#)

4 rows selected.

Statement 52

Edit

```
select books.name_, books.point_, authors.firstname, authors.surname
from books inner join authors
on books.authorid = authors.authorid
where point_ > 3
```

NAME_	POINT_	FIRSTNAME	SURNAME
Life of pi	5	Yann	Martel
Self	4	Yann	Martel
The bluest eye	4	Tonni	Morisson
The lottery	4	Shirley	Jackson
Becoming	5	Michelle	Obama
Afterwards	5	Jeannette	Walls

[Download CSV](#)

6 rows selected.

Statement 53

Edit

```
select count( distinct borrows.studentid)
from borrows
where takendate between date '2021-01-15' and date '2021-05-01'
```

COUNT(DISTINCTBORROWS.STUDENTID)
4

[Download CSV](#)

Statement 54

Edit

```
select name_ from books where pagecount < all(select point_ from books where point_ = :
```



Live SQL



Action Processed.

Statement 55



Edit

`select * from students where (class_ = 'DS' or point_ < 10)`

STUDENTID	FIRSTNAME	SURNAME	BIRTHDATE	GENDER	CLASS_	POINT_
102	Shyam	Sundar	23-AUG-97	M	DS	13
103	Teena	Sundar	29-JAN-96	F	DS	5
104	Ram	Shankar	25-NOV-91	M	CSE	2

[Download CSV](#)

3 rows selected.

Statement 56



Edit

`select books.name_, authors.firstname, authors.surname, types.name_  
from ((books  
inner join authors on books.authorid = authors.authorid)  
inner join types on books.typeid = types.typeid)`

NAME_	FIRSTNAME	SURNAME	NAME_
Life of pi	Yann	Martel	Adventure
Self	Yann	Martel	Novel
Martin Eden	Jack	London	Memoir
The call of the wild	Jack	London	Adventure
Beloved	Tonni	Morisson	Classic
The bluest eye	Tonni	Morisson	Novel
Bird box	Josh	Malerman	Horror
The haunting of hill house	Shirley	Jackson	Horror
The lottery	Shirley	Jackson	Horror
Becoming	Michelle	Obama	Memoir
The glass castle	Jeannette	Walls	Memoir
Afterwards	Jeannette	Walls	Horror
The Scarlet Plague	Jeannette	Walls	Classic

[Download CSV](#)

13 rows selected.

▶ Script Update Details



Live SQL

 **Action Processed.**

×