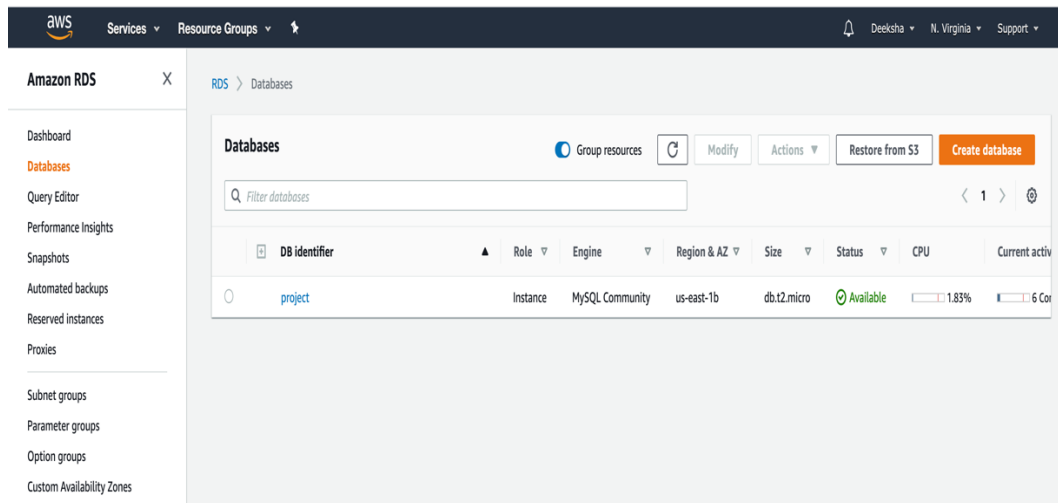


TCSS-545A HW 3: Database Project - Screenshots

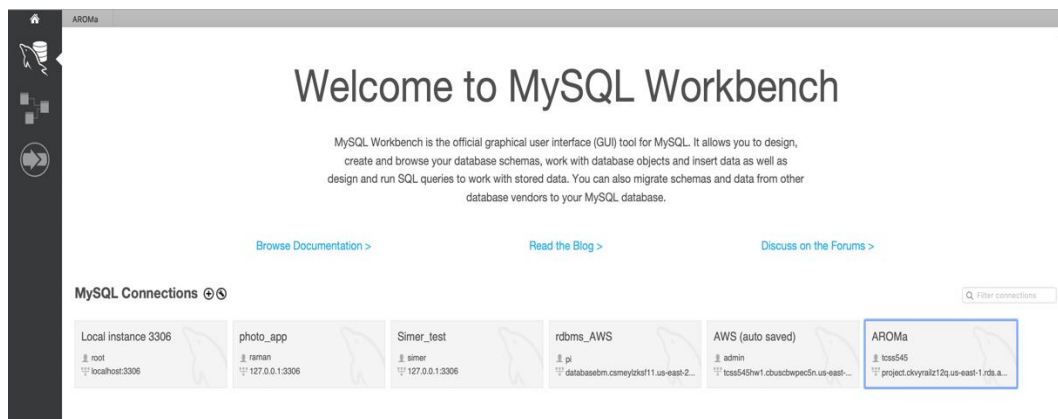
Creating Schema and executing Queries on AWS Aurora MySQL via Workbench

1. Created database on AWS Aurora using Engine type “MySQL” .

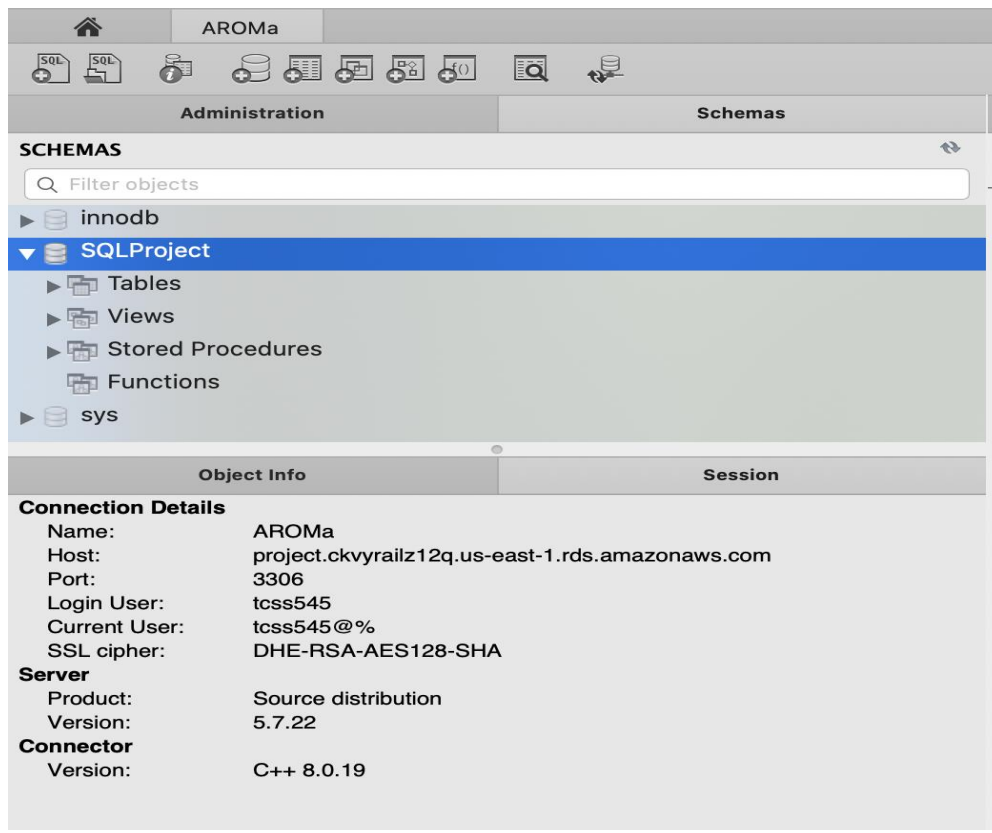
As mentioned on AWS “MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.”



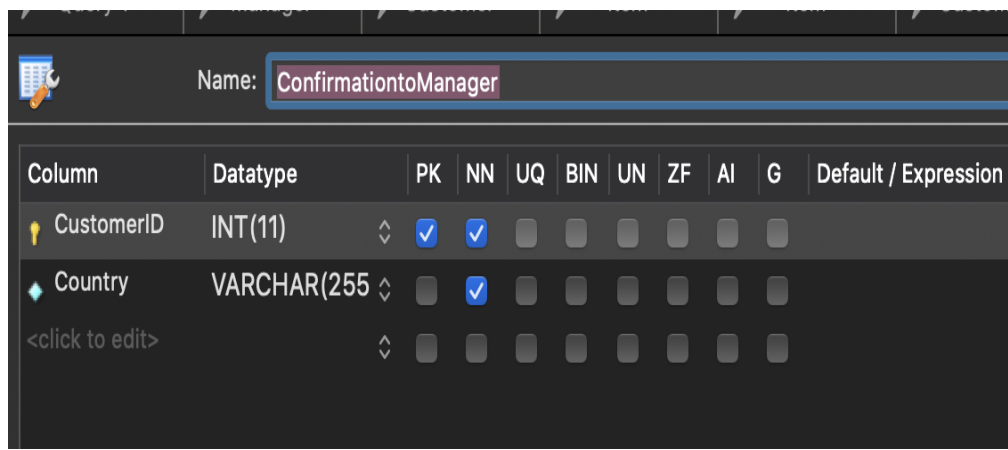
2. Established connection with Workbench



3. Connection Details and Created Schema SQLProject and tables for the schema



4. Schema & Table – “ConfirmationtoManager”



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Customer_Invoice

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1

SELECT * FROM SQLProject.Customer;

100%

1:1

Result Grid

Filter Rows:

Search

CustomerID	Country	Password	
11257	America	pass2	
11258	Istanbul	pass3	
11259	France	pass4	
11260	Germany	pass5	
11261	United Kingdom	pass6	
11262	India	pass7	
11263	France	pass8	
11264	Istanbul	pass9	
11265	India	pass10	
11266	India	pass21	
11290	India	pass11	
12526	Istambul	updated	
12583	France	DEF	
12662	Germany	GHI	
12713	Germany	JKL	
13748	United Kingdom	PQR	
14688	United Kingdom	STU	
15100	United Kingdom	VWX	
15311	United Kingdom	abc	
16098	India	def	
16789	India	asap	
17809	United Kingdom	ghi	
17850	United Kingdom	jkl	
18364	India	Deeksha	
18902	India	navya	
19584	india	test	
21568	India	pass367	
NULL	NULL	NULL	

6. Schema & Table – “Customer_Invoice”

Name: Customer_Invoice										
Column	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
InvoiceNo	INT(11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
CustomerID	INT(11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
<click to edit>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Name: Customer_Invoice											
Foreign Key	Referenced Table	Foreign key details 'Customer_Invoice_ibfk_1'									
Customer_Invoice_ibfk_1	`SQLProject`.`Customer`	<table><tr><th>Column</th><th>Referenced Column</th><th>On Update:</th></tr><tr><td><input type="checkbox"/> InvoiceNo</td><td></td><td>CASCADE</td></tr><tr><td><input checked="" type="checkbox"/> CustomerID</td><td>CustomerID</td><td>CASCADE</td></tr></table>	Column	Referenced Column	On Update:	<input type="checkbox"/> InvoiceNo		CASCADE	<input checked="" type="checkbox"/> CustomerID	CustomerID	CASCADE
Column	Referenced Column	On Update:									
<input type="checkbox"/> InvoiceNo		CASCADE									
<input checked="" type="checkbox"/> CustomerID	CustomerID	CASCADE									
Customer_Invoice_ibfk_2	`SQLProject`.`Invoice`	<table><tr><th>Column</th><th>Referenced Column</th><th>On Update:</th></tr><tr><td><input type="checkbox"/> InvoiceNo</td><td></td><td>CASCADE</td></tr><tr><td><input checked="" type="checkbox"/> CustomerID</td><td>CustomerID</td><td>CASCADE</td></tr></table>	Column	Referenced Column	On Update:	<input type="checkbox"/> InvoiceNo		CASCADE	<input checked="" type="checkbox"/> CustomerID	CustomerID	CASCADE
Column	Referenced Column	On Update:									
<input type="checkbox"/> InvoiceNo		CASCADE									
<input checked="" type="checkbox"/> CustomerID	CustomerID	CASCADE									
<click to edit>		<table><tr><th>Column</th><th>Referenced Column</th><th>On Update:</th></tr><tr><td><input type="checkbox"/> InvoiceNo</td><td></td><td>CASCADE</td></tr><tr><td><input checked="" type="checkbox"/> CustomerID</td><td>CustomerID</td><td>CASCADE</td></tr></table>	Column	Referenced Column	On Update:	<input type="checkbox"/> InvoiceNo		CASCADE	<input checked="" type="checkbox"/> CustomerID	CustomerID	CASCADE
Column	Referenced Column	On Update:									
<input type="checkbox"/> InvoiceNo		CASCADE									
<input checked="" type="checkbox"/> CustomerID	CustomerID	CASCADE									
		Comment:									

AROMa

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Invoice

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sys

1

SELECT * FROM SQLProject.Customer_Invoice;

100%

1:1



























Result Grid

Filter Rows:

Search

InvoiceNo	CustomerID
536373	17850
536374	15100
536375	17850
536378	14688
536380	17809
536381	15311
536382	16098
581570	12662
581574	12526
581578	12713
541002	11257
541003	11258
541004	11259
541005	11260
541006	11261
541007	11262
541008	11263
541009	11264
541010	11265

7. Schema & Table – “Invoice”

Name: Invoice										
Column	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
 InvoiceNo	INT(11)									
 InvoiceDate	DATETIME									NULL
<click to edit>										

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1

SELECT * FROM SQLProject.Invoice;

100%

1:1


Result Grid

Filter Rows:

Search


InvoiceNo	InvoiceDate	
536369	2012-01-10 08:35:00	
536370	2012-01-10 08:45:00	
536371	2012-01-10 09:00:00	
536373	2012-01-10 09:02:00	
536374	2012-01-10 09:09:00	
536375	2012-01-10 09:32:00	
536376	2012-01-10 09:32:00	
536378	2012-01-10 09:37:00	
536380	2012-01-10 09:41:00	
536381	2012-01-10 09:41:00	
536382	2012-01-10 09:45:00	
541001	2012-01-10 08:34:00	
541002	2012-01-10 08:35:00	
541003	2012-02-10 08:36:00	
541004	2012-02-10 08:37:00	
541005	2012-03-10 09:34:00	
541006	2012-03-10 08:35:00	
541007	2012-04-10 08:39:00	
541008	2012-04-10 08:45:00	
541009	2012-09-10 08:55:00	
541010	2012-01-10 08:34:00	
581570	2012-09-11 11:59:00	
581574	2012-09-11 12:09:00	
581578	2012-09-11 12:16:00	
NULL	NULL	

8. Schema & Table “InvoiceDetails”



Name: **InvoiceDetails**

Column	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
InvoiceNo	INT(11)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
StockCode	VARCHAR(7)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
Quantity	INT(11)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
<click to edit>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Name: **InvoiceDetails**

Foreign Key	Referenced Table
InvoiceDetails_ibfk_1	`SQLProject`.`Invoice`
InvoiceDetails_ibfk_2	`SQLProject`.`Item`
<click to edit>	

AdministrationSchemasQuery 1ManagerCustomer

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Customer_Invoice

Invoice

InvoiceDetails

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sys

1 • SELECT * FROM SQLProject.InvoiceDetails;

100% 1:1

Result GridFilter Rows: Search

InvoiceNo	StockCode	Quantity
536367	22622	2
536367	21754	3
536367	21755	3
536367	21777	4
536367	48187	4
536368	22960	6
536368	22913	3
536368	22912	3
536368	22914	3
536369	21756	3
536370	22728	24
536370	22631	24
536370	22661	20
536370	21731	24
536370	22900	24
536370	21913	12
536370	22540	24
536370	22544	24
536370	22492	36

9. Schema & Table “Item”

Name: Item

Column	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
StockCode	VARCHAR(7)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Description	VARCHAR(150)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
UnitPrice	FLOAT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
<click to edit>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

AROMa

Administration Schemas Query 1 Manager Customer Item

SCHEMAS

Filter objects

innodb SQLProject Tables ConfirmationtoMana... Customer Customer_Invoice Invoice InvoiceDetails Item Manager Views Stored Procedures Functions sys


1 • SELECT * FROM SQLProject.Item;

100% 1:1



























Result Grid Filter Rows: Search Edit:

StockCode	Description	UnitPrice
20750	RED RETROSPOT MINI CASES	7.95
21068	VINTAGE BILLBOARD LOVE/HATE MUG	1.06
21071	VINTAGE BILLBOARD DRINK ME MUG	1.06
21212	PACK OF 72 RETROSPOT CAKE CASES	0.42
21258	VICTORIAN SEWING BOX LARGE	10.95
21497	FANCY FONTS BIRTHDAY WRAP	0.42
21523	DOORMAT FANCY FONT HOME SWEET HOME	6.75
21730	GLASS STAR FROSTED T-LIGHT HOLDER	4.25
21731	RED TOADSTOOL LED NIGHT LIGHT	1.65
21733	RED HANGING HEART T-LIGHT HOLDER	2.55
21754	HOME BUILDING BLOCK WORD	5.95
21755	LOVE BUILDING BLOCK WORD	5.95
21756	BATH BUILDING BLOCK WORD	5.95
21777	RECIPE BOX WITH METAL HEART	7.95
21832	CHOCOLATE CALCULATOR	1.65
21871	SAVE THE PLANET MUG	1.06
21912	VINTAGE SNAKES & LADDERS	3.75
21913	VINTAGE SEASIDE JIGSAW PUZZLES	3.75
21929	JUMBO BAG PINK VINTAGE PAISLEY	1.95
21931	JUMBO STORAGE BAG SUKI	1.95
21975	PACK OF 60 DINOSAUR CAKE CASES	0.55
21977	PACK OF 60 PINK PAISLEY CAKE CASES	0.55
22086	PAPER CHAIN KIT 50'S CHRISTMAS	2.55
22114	HOT WATER BOTTLE TEA AND SYMPATHY	3.45
22326	ROUND SNACK BOXES SET OF 4 WOODLAND	2.95
22328	ROUND SNACK BOXES SET OF 4 FRUITS	2.95
22352	LUNCH BOX WITH CUTLERY RETROSPOT	2.55
22379	RECYCLING BAG RETROSPOT	2.1
22411	JUMBO SHOPPER VINTAGE RED PAISLEY	1.95

10. Schema & Table “Manager”



Name:

Column	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
 ManagerID	INT(11)									
 Password	VARCHAR(20)									NULL
<click to edit>										

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sys

1

SELECT * FROM SQLProject.Manager;

100%

1:1

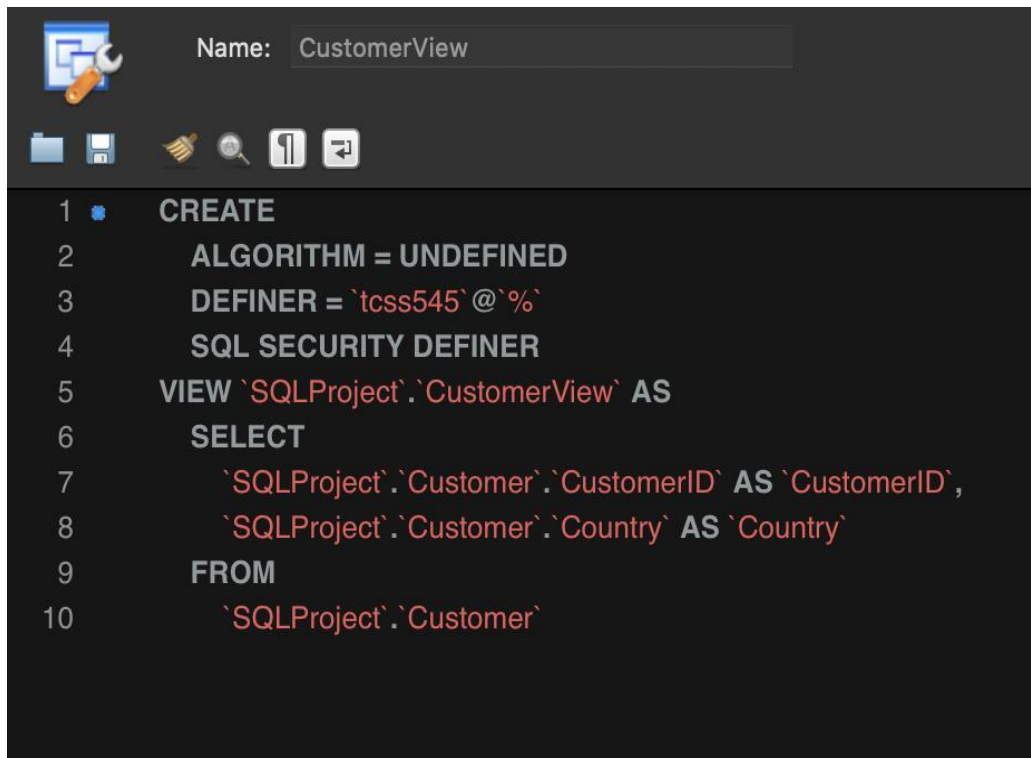
Result Grid

Filter Rows:

Search

ManagerID	Password
21068	jkl
21090	mno
21091	pqr
21092	stu
21093	xyz
50000	pass11
50001	pass12
50002	pass13
50003	pass14
50004	pass15
50005	pass16
50006	pass17
50007	pass18
50008	pass19
50009	pass20
90280	abc
NULL	NULL

11. Views “CustomerView”



The screenshot shows a SQL IDE interface with a dark theme. At the top, there is a toolbar with icons for file operations and a search icon. Below the toolbar, the name of the view being created is "CustomerView". The main area displays the SQL code for creating the view, with line numbers 1 through 10 on the left. The code is as follows:

```
1 CREATE
2     ALGORITHM = UNDEFINED
3     DEFINER = `tcss545` @ `%`
4     SQL SECURITY DEFINER
5     VIEW `SQLProject`.`CustomerView` AS
6     SELECT
7         `SQLProject`.`Customer`.`CustomerID` AS `CustomerID`,
8         `SQLProject`.`Customer`.`Country` AS `Country`
9     FROM
10        `SQLProject`.`Customer`
```

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SELECT * FROM SQLProject.CustomerView;

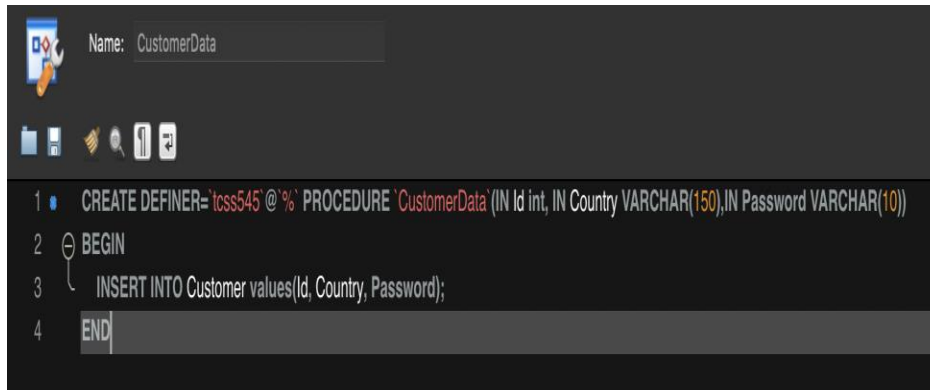
100%1:1

Result Grid

Filter Rows: Search

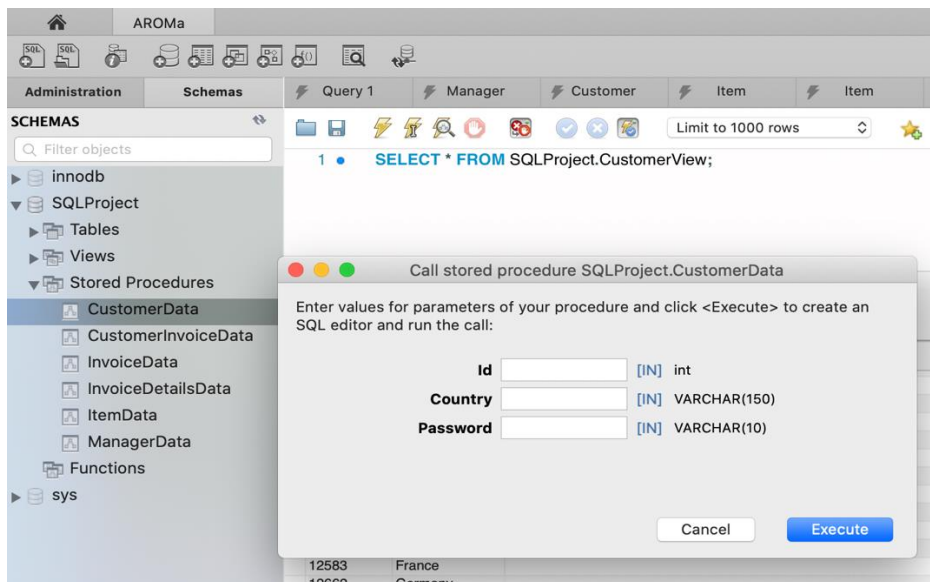
CustomerID	Country
11259	France
11260	Germany
11261	United Kingdom
11262	India
11263	France
11264	Istanbul
11265	India
11266	India
11290	India
12526	Istambul
12583	France
12662	Germany
12713	Germany
13748	United Kingdom
14688	United Kingdom
15100	United Kingdom
15311	United Kingdom
16098	India
16789	India
17809	United Kingdom
17850	United Kingdom
18364	India
18902	India
19584	india
21568	India

12. Stored Procedures “CustomerData”

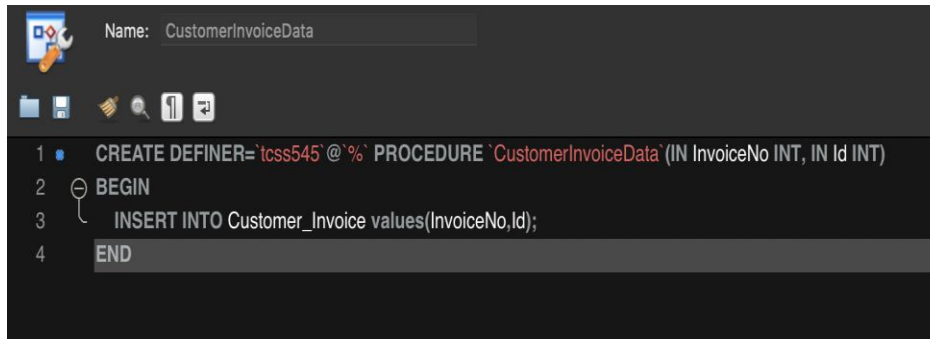


The screenshot shows a SQL editor window with a dark background. At the top, there is a text input field labeled "Name:" containing the text "CustomerData". Below this, there is a toolbar with several icons. The main area of the editor contains the following SQL code:

```
1 CREATE DEFINER='tcss545'@'%' PROCEDURE 'CustomerData'(IN Id int, IN Country VARCHAR(150), IN Password VARCHAR(10))
2 BEGIN
3     INSERT INTO Customer values(Id, Country, Password);
4 END
```

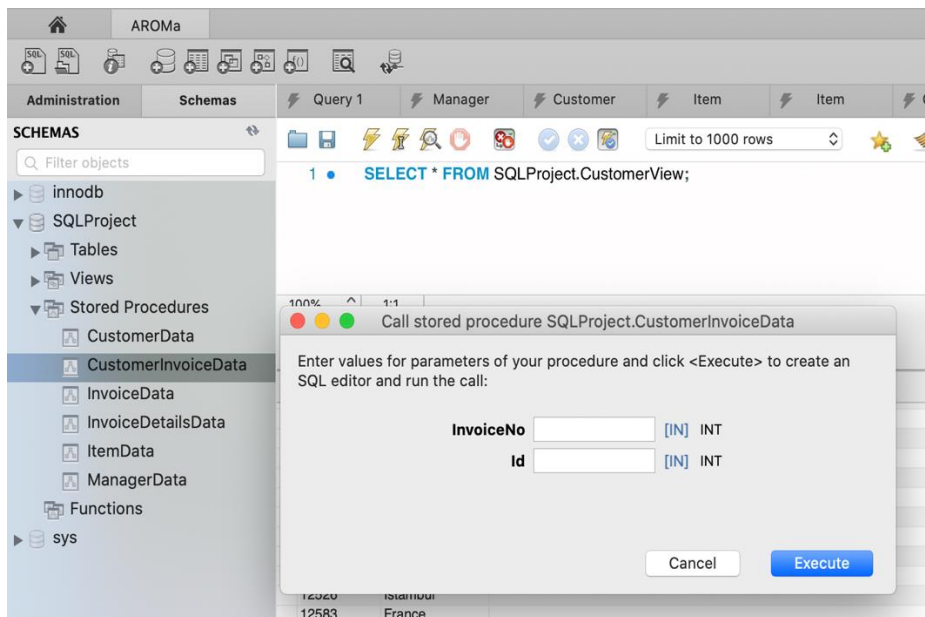


13. Stored Procedures “CustomerInvoiceData”



The screenshot shows a SQL editor window with a dark theme. At the top, there is a toolbar with icons for file operations and a search icon. Below the toolbar, the text "Name: CustomerInvoiceData" is displayed. The main area contains the following SQL code:

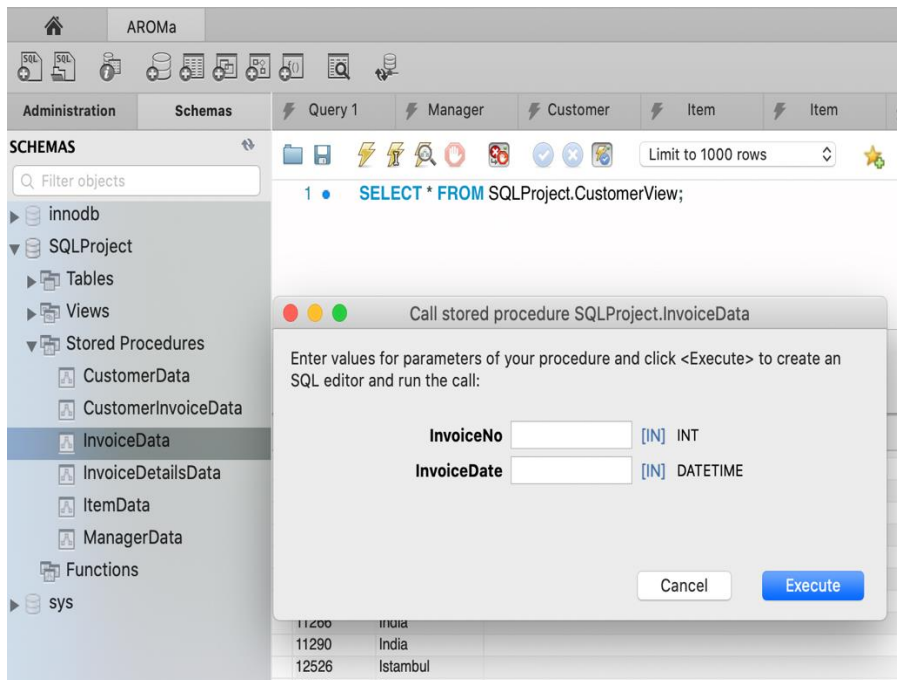
```
1 CREATE DEFINER='tcss545'@'%' PROCEDURE `CustomerInvoiceData` (IN InvoiceNo INT, IN Id INT)
2 BEGIN
3   INSERT INTO Customer_Invoice values(InvoiceNo,Id);
4 END
```



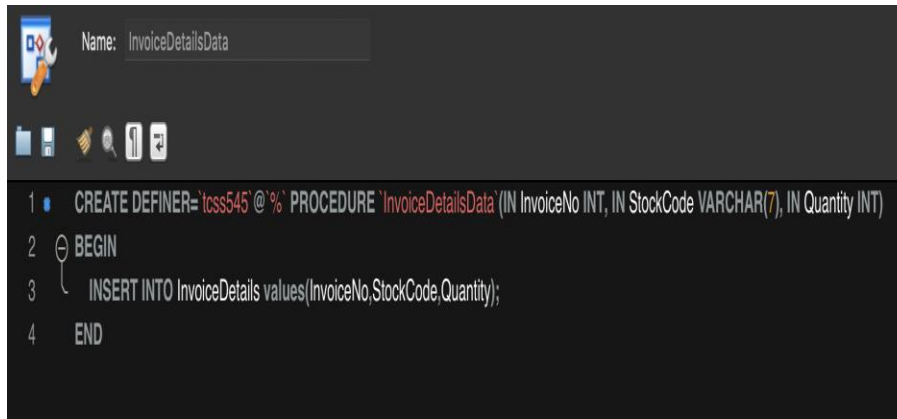
14. Stored Procedures “InvoiceData”

```
Name: InvoiceData

1 CREATE DEFINER='tcss545'@ '%' PROCEDURE `InvoiceData` (IN InvoiceNo INT, IN InvoiceDate DATETIME)
2 BEGIN
3   INSERT INTO Invoice values(InvoiceNo,InvoiceDate);
4 END
```

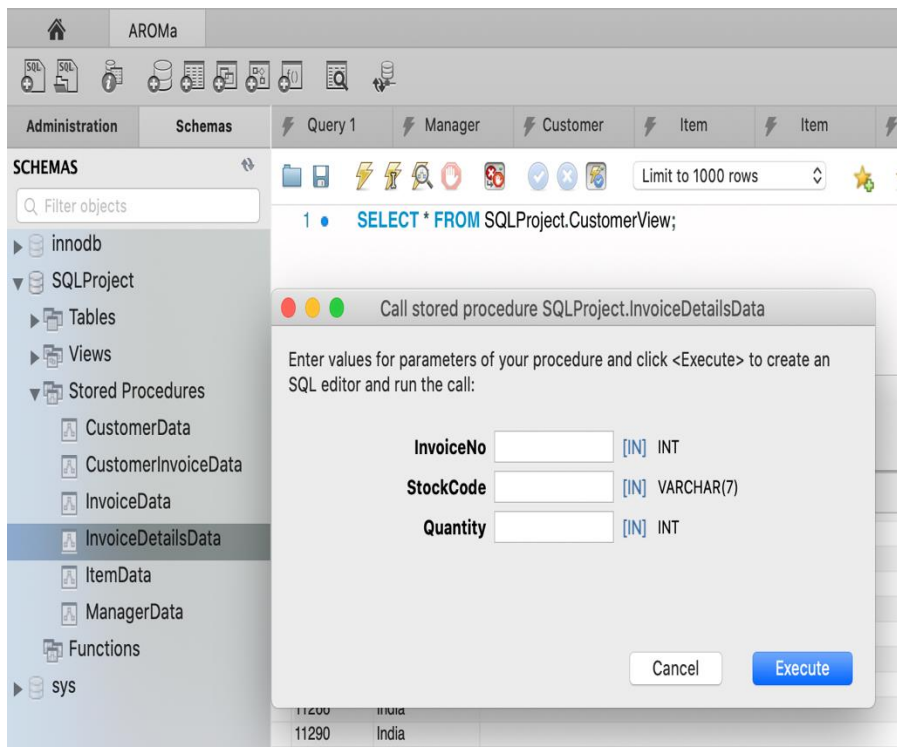


15. Stored Procedures “InvoiceDetailsData”

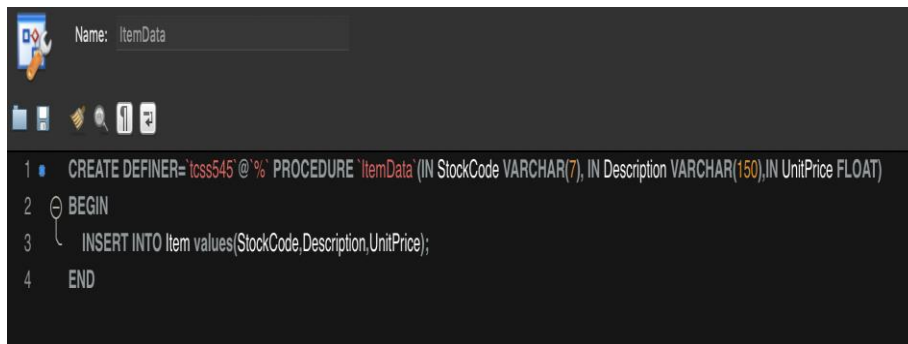


The screenshot shows a SQL editor window with a dark background. At the top, there is a text field labeled "Name: InvoiceDetailsData". Below it, there are several icons representing different database operations. The main area of the editor contains the following SQL code:

```
1 CREATE DEFINER='tcss545'@'%' PROCEDURE `InvoiceDetailsData` (IN InvoiceNo INT, IN StockCode VARCHAR(7), IN Quantity INT)
2 BEGIN
3     INSERT INTO InvoiceDetails values(InvoiceNo,StockCode,Quantity);
4 END
```

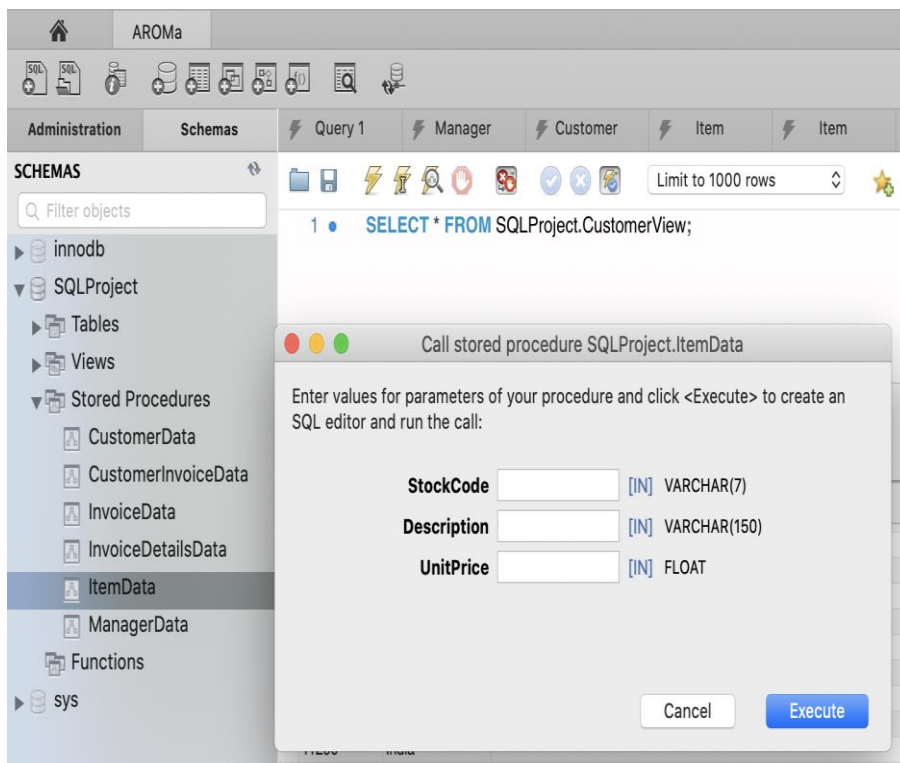


16. Stored Procedures “ItemData”

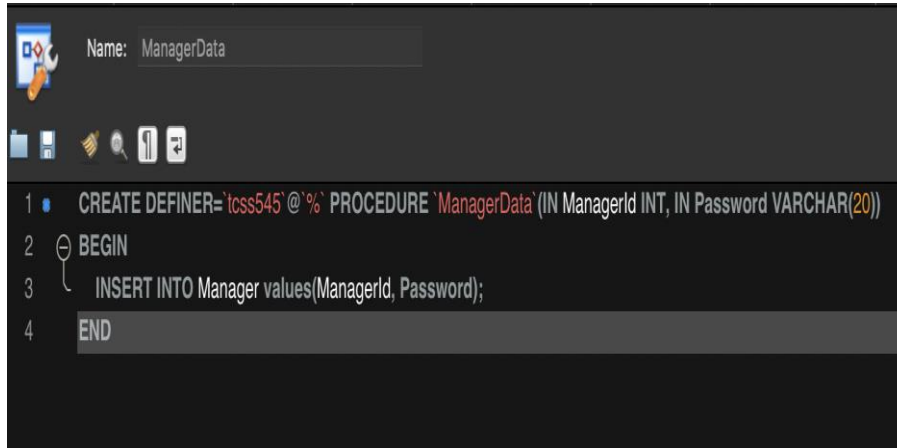


The screenshot shows a SQL editor window with a dark background. At the top, there is a text input field labeled "Name: ItemData". Below it, a toolbar contains several icons. The main area displays the following SQL code:

```
1 CREATE DEFINER='tcss545'@'%' PROCEDURE `ItemData` (IN StockCode VARCHAR(7), IN Description VARCHAR(150), IN UnitPrice FLOAT)
2 BEGIN
3     INSERT INTO Item values(StockCode,Description,UnitPrice);
4 END
```



17. Stored Procedures “ManagerData”



The screenshot shows a SQL editor window with a dark theme. At the top, there is a text input field labeled "Name:" containing the text "ManagerData". Below this, there is a toolbar with icons for saving, undo, redo, and other editing functions. The main area of the editor contains the following SQL code:

```
1 CREATE DEFINER='tcss545'@'%' PROCEDURE `ManagerData` (IN ManagerId INT, IN Password VARCHAR(20))
2 BEGIN
3   INSERT INTO Manager values(ManagerId, Password);
4 END
```

