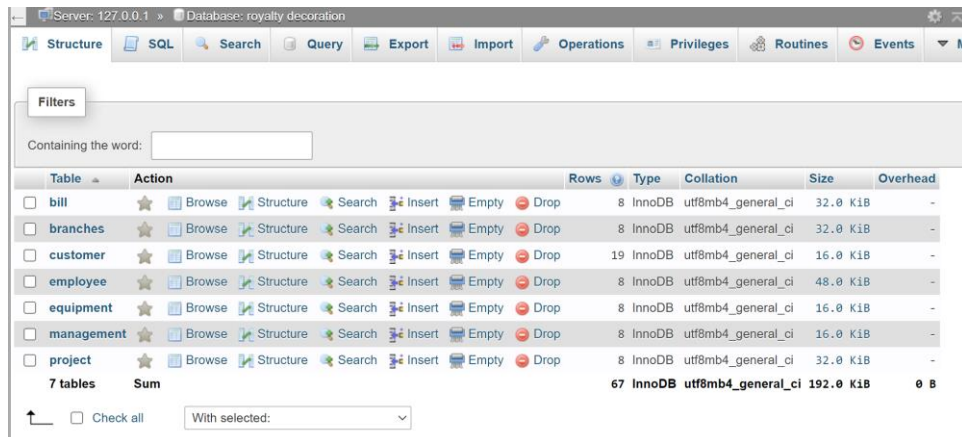


STUDENT NAME: ADEWALE SOLIU KASIM

STUDENT ID: KAS20505831

CREATING A SQL TABLE

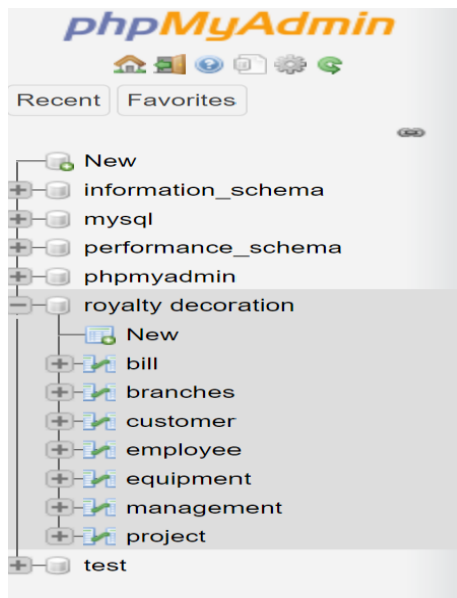
ROYALTY DECORATION COMPANY TABLE STRUCTURE



The screenshot shows the phpMyAdmin interface for a database named 'royalty decoration'. The 'Structure' tab is selected, displaying a list of tables and their properties. The tables listed are: bill, branches, customer, employee, equipment, management, and project. Each table row includes checkboxes for selection, a star icon for favorites, and icons for various actions like Browse, Structure, Search, Insert, Empty, and Drop. Summary statistics for all tables are provided at the bottom.

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> bill	★ Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	32.0 K1B	-
<input type="checkbox"/> branches	★ Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	32.0 K1B	-
<input type="checkbox"/> customer	★ Browse Structure Search Insert Empty Drop	19	InnoDB	utf8mb4_general_ci	16.0 K1B	-
<input type="checkbox"/> employee	★ Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	48.0 K1B	-
<input type="checkbox"/> equipment	★ Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	16.0 K1B	-
<input type="checkbox"/> management	★ Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	16.0 K1B	-
<input type="checkbox"/> project	★ Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	32.0 K1B	-
<b>7 tables</b>	<b>Sum</b>	<b>67</b>	<b>InnoDB</b>	<b>utf8mb4_general_ci</b>	<b>192.0 K1B</b>	<b>0 B</b>

TABLE SCHEMA



MANAGEMENT TABLE & STRUCTURE

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking

Table structure

Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	mangr_ssn	int(11)		No	None			Change Drop More
<input type="checkbox"/>	2	mangr_name	varchar(10)	utf8mb4_general_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	3	mangr_job	varchar(9)	utf8mb4_general_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	4	salary	double(7,2)		Yes	NULL			Change Drop More
<input type="checkbox"/>	5	work_hours	int(11)		Yes	NULL			Change Drop More

Check all
With selected:
Browse
Change
Drop
Primary
Unique
Index
Spatial
Fulltext
Add to central columns
Remove from central columns

---

Print
Propose table structure
Track table
Move columns
Normalize

Add
1
column(s)
after work\_hours
Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	mangr_ssn	8	A	No	

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking

Showing rows 0 - 7 (8 total, Query took 0.0008 seconds.)

SELECT \* FROM `management`

Profiling
[ Edit inline ]
[ Edit ]
[ Explain SQL ]
[ Create PHP code ]
[ Refresh ]

Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None

+ Options

mangr\_ssn
mangr\_name
mangr\_job
salary
work\_hours

<input type="checkbox"/>	Edit	Copy	Delete	111	ADEWALE	OVERALL M	5000.00	8
<input type="checkbox"/>	Edit	Copy	Delete	112	TUNDE	ASS. MANAG	4000.00	7
<input type="checkbox"/>	Edit	Copy	Delete	113	COLA	SALES MAN	3500.00	8
<input type="checkbox"/>	Edit	Copy	Delete	114	WOLE	CLERK MAN	3700.00	8
<input type="checkbox"/>	Edit	Copy	Delete	115	GREEN	ANALYST	3400.00	7
<input type="checkbox"/>	Edit	Copy	Delete	116	SOPHIE	CLERK MAN	3000.00	7
<input type="checkbox"/>	Edit	Copy	Delete	117	ARC	SALES MAN	2900.00	8
<input type="checkbox"/>	Edit	Copy	Delete	118	WALES	TRANSPORT	6000.00	8

Check all
With selected:
Edit
Copy
Delete
Export

## EMPLOYEE TABLE & STRUCTURE

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking

Table structure

Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 emp_ssn	int(11)			No	None			Change Drop More
<input type="checkbox"/>	2 emp_name	varchar(10)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	3 emp_job	varchar(12)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	4 emp_salary	double(7,2)			Yes	NULL			Change Drop More
<input type="checkbox"/>	5 proj_id	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	6 mangr_ssn	int(11)			Yes	NULL			Change Drop More

☐ Check all
 With selected:
 Browse
 Change
 Drop
 Primary
 Unique
 Index
 Spatial
 Fulltext
 Add to central columns
 Remove from central columns

---

Print
Propose table structure
Track table
Move columns
Normalize

Add
1
column(s)
after mangr\_ssn
Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	emp_ssn	8	A	No	
Edit Rename Drop	management	BTREE	No	No	mangr_ssn	8	A	Yes	
Edit Rename Drop	project	BTREE	No	No	proj_id	8	A	Yes	

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking

Showing rows 0 - 7 (8 total, Query took 0.0060 seconds.)

SELECT \* FROM `employee`

☐ Profiling
[ Edit inline ]
[ Edit ]
[ Explain SQL ]
[ Create PHP code ]
[ Refresh ]

☐ Show all
 Number of rows: 25
 Filter rows: Search this table
 Sort by key: None

+ Options

	emp_ssn	emp_name	emp_job	emp_salary	proj_id	mangr_ssn
<input type="checkbox"/>	Edit Copy Delete	1131	LOT	DRIVER	1800.00	1121 111
<input type="checkbox"/>	Edit Copy Delete	1132	GUY	BACKGROUND S	2000.00	1122 112
<input type="checkbox"/>	Edit Copy Delete	1133	RICK	TABLE AND CH	1123.00	1123 113
<input type="checkbox"/>	Edit Copy Delete	1134	TOM	STAGE SET	1900.00	1124 114
<input type="checkbox"/>	Edit Copy Delete	1135	KOFI	FLOWERS SET	2500.00	1125 115
<input type="checkbox"/>	Edit Copy Delete	1136	SOON	TABLES AND C	2100.00	1126 116
<input type="checkbox"/>	Edit Copy Delete	1137	SMITH	BACKGROUND S	1700.00	1127 117
<input type="checkbox"/>	Edit Copy Delete	1138	ACK	STAGE SET	2100.00	1128 118

☐ Check all
 With selected:
 Edit
 Copy
 Delete
 Export

## CUSTOMER TABLE & STRUCTURE

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking

Table structure

Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	cust_name	varchar(12)	utf8mb4_general_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	2	cust_address	varchar(14)	utf8mb4_general_ci	Yes	NULL			Change Drop More
<input type="checkbox"/>	3	account_info	varchar(12)	utf8mb4_general_ci	No	None			Change Drop More
<input type="checkbox"/>	4	register_no	int(11)		No	None			Change Drop More
<input type="checkbox"/>	5	proj_id	int(11)		Yes	NULL			Change Drop More

☐ Check all
 With selected:
 Browse
 Change
 Drop
 Primary
 Unique
 Index
 Spatial
 Fulltext
 Add to central columns
 Remove from central columns

Print
Propose table structure
Track table
Move columns
Normalize

Add
1
column(s)
after proj\_id
Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	register_no	19	A	No	

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations

Showing rows 0 - 18 (19 total, Query took 0.0050 seconds.)

SELECT \* FROM `customer`

Profiling
[ Edit inline ]
[ Edit ]
[ Explain SQL ]
[ Create PHP code ]
[ Refresh ]

☐ Show all
 Number of rows: 25
 Filter rows: Search this table
 Sort by key: None

Options

		cust_name	cust_address	account_info	register_no	proj_id
<input type="checkbox"/>	Edit Copy Delete	JUNIOR	SW13 4ZQ	TESCO BANK	1111	1121
<input type="checkbox"/>	Edit Copy Delete	KIKI	SE1 5NQ	METRO BANK	1112	1122
<input type="checkbox"/>	Edit Copy Delete	KASIM	SW8 5AV	MONZO BANK	1113	1123
<input type="checkbox"/>	Edit Copy Delete	TAIWO	SW3 5CG	BARCLAYS BAN	1114	1124
<input type="checkbox"/>	Edit Copy Delete	KENNEDY	SE4 7FG	LOYD BANK	1115	1125
<input type="checkbox"/>	Edit Copy Delete	HOWEVER	SW3 3RT	SANTADAR BAN	1116	1126
<input type="checkbox"/>	Edit Copy Delete	FUAD	SW7 4VY	UBA BANK	1117	1127
<input type="checkbox"/>	Edit Copy Delete	KATE	SE5 6GH	MOON BANK	1118	1128
<input type="checkbox"/>	Edit Copy Delete	KASIM	SW8 5AV	MONZO BANK	1411	1077
<input type="checkbox"/>	Edit Copy Delete	KIKI	SE1 5NQ	METRO BANK	1413	1053
<input type="checkbox"/>	Edit Copy Delete	KIKI	SE1 5NQ	METRO BANK	1419	1053
<input type="checkbox"/>	Edit Copy Delete	TAIWO	SW3 5CG	BARCLAYS BAN	2311	1078
<input type="checkbox"/>	Edit Copy Delete	KENNEDY	SE4 7FG	LOYD BANK	3453	1056
<input type="checkbox"/>	Edit Copy Delete	JUNIOR	SW13 4ZQ	TESCO BANK	4444	1061
<input type="checkbox"/>	Edit Copy Delete	JUNIOR	SW13 4ZQ	TESCO BANK	4534	1061

## DECORATIONS/EQUIPMENT TOOLS TABLE & STRUCTURE

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking

Showing rows 0 - 7 (8 total, Query took 0.0060 seconds.)

SELECT \* FROM `equipment`

Profiling
Edit inline
Edit
Explain SQL
Create PHP code
Refresh

Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None

+ Options

		equipment_id	type	availability
<input type="checkbox"/>	Edit	Copy	Delete	11 BACKGROUND ANYTIME
<input type="checkbox"/>	Edit	Copy	Delete	12 STAGE ANYTIME
<input type="checkbox"/>	Edit	Copy	Delete	13 FLOWERS ANYTIME
<input type="checkbox"/>	Edit	Copy	Delete	14 CHAIRS AND ANYTIME
<input type="checkbox"/>	Edit	Copy	Delete	15 BALLOONS ANYTIME
<input type="checkbox"/>	Edit	Copy	Delete	16 TABLE COVE ANYTIME
<input type="checkbox"/>	Edit	Copy	Delete	17 CHAIR COVE ANYTIME
<input type="checkbox"/>	Edit	Copy	Delete	18 STAGE LIGH ANYTIME

☐ Check all
With selected:
Edit
Copy
Delete
Export

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking

Table structure
Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	equipment_id	int(11)			No	None			Change Drop More
<input type="checkbox"/> 2	type	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	availability	varchar(9)	utf8mb4_general_ci		No	None			Change Drop More

☐ Check all
With selected:
Browse
Change
Drop
Primary
Unique
Index
Spatial
Fulltext

Add to central columns
Remove from central columns

Print
Propose table structure
Track table
Move columns
Normalize

Add
1
column(s)
after availability
Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	equipment_id	8	A	No	

## BILLS TABLE & STRUCTURE

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking

Table structure

Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	bill_address	varchar(14)	utf8mb4_general_ci	Yes	NULL			Change  Drop  More
<input type="checkbox"/>	2	bill_name	varchar(14)	utf8mb4_general_ci	No	None			Change  Drop  More
<input type="checkbox"/>	3	bill_info	varchar(13)	utf8mb4_general_ci	Yes	NULL			Change  Drop  More
<input type="checkbox"/>	4	register_no	int(11)		Yes	NULL			Change  Drop  More

☐ Check all
 With selected:
 Browse
 Change
 Drop
 Primary
 Unique
 Index
 Spatial
 Fulltext
 Add to central columns
 Remove from central columns

Print
Propose table structure
Track table
Move columns
Normalize

Add
column(s)
after register\_no
Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit  Rename  Drop	PRIMARY	BTREE	Yes	No	bill_name	8	A	No	
Edit  Rename  Drop	customer	BTREE	No	No	register_no	8	A	Yes	

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations

Showing rows 0 - 7 (8 total, Query took 0.0015 seconds.)

SELECT \* FROM `bill`

☐ Profiling
[\[ Edit inline \]](#)
[\[ Edit \]](#)
[\[ Explain SQL \]](#)
[\[ Create PHP code \]](#)
[\[ Refresh \]](#)

☐ Show all
 Number of rows: 
Filter rows: 
Sort by key:

+ Options

bill\_address
bill\_name
bill\_info
register\_no

<input type="checkbox"/>	Edit  Copy  Delete	SW7 4VY	fuad bill	to be paid	1117
<input type="checkbox"/>	Edit  Copy  Delete	SW13 4ZQ	junior bill	to be paid	1111
<input type="checkbox"/>	Edit  Copy  Delete	SW8 5AV	kasim bill	to be paid	1113
<input type="checkbox"/>	Edit  Copy  Delete	SE5 6GH	kate bill	to be paid	1118
<input type="checkbox"/>	Edit  Copy  Delete	SE4 7FG	kennedy bill	to be paid	1115
<input type="checkbox"/>	Edit  Copy  Delete	SE1 5NQ	kiki bill	to be paid	1112
<input type="checkbox"/>	Edit  Copy  Delete	SW3 5CG	talwo bill	to be paid	1114
<input type="checkbox"/>	Edit  Copy  Delete	SW3 3RT	though bill	to be paid	1116

☐ Check all
 With selected:
 Edit
 Copy
 Delete
 Export

☐ Show all
 Number of rows: 
Filter rows: 
Sort by key:

## BRANCHES TABLE & STRUCTURE

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
M

Table structure
Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 branch_id	int(11)			No	None			Change Drop More
<input type="checkbox"/>	2 branch_name	varchar(12)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	3 branch_address	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	4 emp_ssn	int(11)			Yes	NULL			Change Drop More

Check all
With selected:
Browse
Change
Drop
Primary
Unique
Index
Spatial
Fulltext
Add to central columns
Remove from central columns

Print
Propose table structure
Track table
Move columns
Normalize

Add
1
column(s)
after emp\_ssn
Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	branch_id	8	A	No	
Edit Rename Drop	employee	BTREE	No	No	emp_ssn	8	A	Yes	

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operation

Showing rows 0 - 7 (8 total, Query took 0.0008 seconds.)

SELECT \* FROM `branches`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None

+ Options

	branch_id	branch_name	branch_address	emp_ssn
<input type="checkbox"/> Edit Copy Delete	1141	PUTNEY	SW15 6NQ	1131
<input type="checkbox"/> Edit Copy Delete	1142	EVELYN	SW15 4NQ	1132
<input type="checkbox"/> Edit Copy Delete	1143	PECKHAM	SE15 S45	1133
<input type="checkbox"/> Edit Copy Delete	1144	CLAPHAM	SW7 YRT	1134
<input type="checkbox"/> Edit Copy Delete	1145	LEWISHAM	SE20 7UV	1135
<input type="checkbox"/> Edit Copy Delete	1146	VICTORIA	SW1 2FG	1136
<input type="checkbox"/> Edit Copy Delete	1147	DEPFORD	E15 8YU	1137
<input type="checkbox"/> Edit Copy Delete	1148	STRATFORD	E16 9HG	1138

Check all
With selected:
Edit
Copy
Delete
Export

Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None

## PROJECTS TABLE & STRUCTURE



Database management interface showing table structure and data for a project table.

**Table Structure:**

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	proj_id	int(11)			No	None			Change Drop More
2	proj_name	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	proj_title	varchar(15)	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	start_date	varchar(12)	utf8mb4_general_ci		Yes	NULL			Change Drop More
5	end_date	varchar(12)	utf8mb4_general_ci		Yes	NULL			Change Drop More
6	feedback	varchar(30)	utf8mb4_general_ci		Yes	NULL			Change Drop More
7	register_no	int(11)			Yes	NULL			Change Drop More
8	equipment_id	int(11)			Yes	NULL			Change Drop More

**Indexes:**

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	proj_id	8	A	No	
Edit Rename Drop	equipment	BTREE	No	No	equipment_id	8	A	Yes	

**Data Table:**

proj_id	proj_name	proj_title	start_date	end_date	feedback	register_no	equipment_id
1121	PROJECT A	BUSINESS	2020-01-01	2007-08-13	GOOD WORK DONE	1111	17
1122	PROJECT B	WEDDING	2020-08-22	2020-03-20	GOOD WORK DONE	1112	13
1123	PROJECT C	BIRTHDAY	2020-02-24	2008-07-31	GOOD WORK DONE	1113	15
1124	PROJECT D	FAMILY	2021-01-01	NULL	GOOD WORK DONE	1114	14
1125	PROJECT E	SOUND	2021-01-01	2007-08-13	GOOD WORK DONE	1115	18
1126	PROJECT F	BROTHER	2021-01-01	2007-08-13	GOOD WORK DONE	1116	16
1127	PROJECT G	UNCLE	2022-01-01	2007-08-13	GOOD WORK DONE	1117	11
1128	PROJECT H	FRIEND	2022-01-01	2007-08-13	GOOD WORK DONE	1118	12

## QUESTIONS

- Find the employee's name, speciality and salary for those who their salary is not up to 2450.

## QUARRY

SELECT emp\_name,emp\_job, emp\_salary

FROM employee

WHERE emp\_salary < 2450.00



Browser Structure SQL Search Insert Export Import Privileges Operations

Show query box

Showing rows 0 - 6 (7 total, Query took 0.0024 seconds.)

`SELECT emp_name, emp_job, emp_salary FROM employee WHERE emp_salary <=2450;`

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	emp_name	emp_job	emp_salary
<input type="checkbox"/> Edit Copy Delete	LOT	DRIVER	1800.00
<input type="checkbox"/> Edit Copy Delete	GUY	BACKGROUND S	2000.00
<input type="checkbox"/> Edit Copy Delete	RICK	TABLE AND CH	1123.00
<input type="checkbox"/> Edit Copy Delete	TOM	STAGE SET	1900.00
<input type="checkbox"/> Edit Copy Delete	BALD	TABLES AND C	2100.00
<input type="checkbox"/> Edit Copy Delete	SMITH	BACKGROUND S	1700.00
<input type="checkbox"/> Edit Copy Delete	ACK	STAGE SET	2100.00

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

- Find from the management details the management name that start with the letter “W” or end with the letter “I”.

QUARRY

SELECT \*

FROM management

WHERE mangr\_name like "A%" OR "%S"

- Find the data about all the projects where the “end date” of the project include null

SELECT proj\_id, proj\_name, proj\_title, start\_date, end\_date, feedback

FROM project

WHERE end\_date IS null

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Open](#)

Show query box

✓ Showing rows 0 - 0 (1 total, Query took 0.0020 seconds.)

```
SELECT proj_id, proj_name, proj_title, start_date, end_date, feedback FROM project WHERE end_date IS null;
```

☐ Profiling
 [\[ Edit inline \]](#)
[\[ Edit \]](#)
[\[ Explain SQL \]](#)
[\[ Create PHP code \]](#)
[\[ Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	proj_id	proj_name	proj_title	start_date	end_date	feedback
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1124	PROJECT D	FAMILY	2021-01-01	NULL	GOOD WORK DONE

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table

- Find the average of the employee salaries of all the projects in the table

QUARRY

SELECT AVG(emp\_salary), proj\_id

FROM employee

GROUP by proj\_id

Show query box

✓ Showing rows 0 - 7 (8 total, Query took 0.0024 seconds.)

```
SELECT AVG(emp_salary), proj_id FROM employee GROUP by proj_id;
```

☐ Profiling
 [\[ Edit inline \]](#)
[\[ Edit \]](#)
[\[ Explain SQL \]](#)
[\[ Create PHP code \]](#)
[\[ Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	AVG(emp_salary)	proj_id
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1800.000000	1121
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2000.000000	1122
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1123.000000	1123
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1900.000000	1124
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2500.000000	1125
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2100.000000	1126
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1700.000000	1127
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2100.000000	1128

- Find the data from the table branches as where the location of the branch begins with the letter "E".

ANS

SELECT branch\_id, branch\_name, branch\_address

from branches

WHERE branch\_name like 'E%'

Database management interface showing a query result for the 'branches' table.

Buttons: Browse, Structure, SQL, Search, Insert, Export, Import

Show query box

Showing rows 0 - 0 (1 total, Query took 0.0018 seconds.)

```
SELECT branch_id, branch_name, branch_address from branches WHERE branch_name like 'E%';
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	branch_id	branch_name	branch_address
<input type="checkbox"/> Edit Copy Delete	1142	EVELYN	SW15 4NQ

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table

6. Find the employee's name and the employee ssn where the employee's salaries are within 2000.00 and 2500.00.

QUARRY

SELECT emp\_name, emp\_ssn, emp\_salary

FROM employee

WHERE emp salary BETWEEN 2000.00 AND 2500.00

Database management interface showing a query result for the 'employee' table.

Show query box

Showing rows 0 - 3 (4 total, Query took 0.0056 seconds.)

```
SELECT emp_name, emp_ssn, emp_salary FROM employee WHERE emp_salary BETWEEN 2000.00 AND 2500.00;
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	emp_name	emp_ssn	emp_salary
<input type="checkbox"/> Edit Copy Delete	GUY	1132	2000.00
<input type="checkbox"/> Edit Copy Delete	KOFI	1135	2500.00
<input type="checkbox"/> Edit Copy Delete	BALD	1136	2100.00
<input type="checkbox"/> Edit Copy Delete	ACK	1138	2100.00

Check all | With selected: Edit Copy Delete Export

7. Find employee ssn, name, job and salary who are working under project id 1011.

QUARRY

```
SELECT emp_ssn, emp_name, emp_job, emp_salary, proj_id
FROM employee
WHERE proj_id = 1125
```

Browser Structure SQL Search Insert Export Import

Show query box

Showing rows 0 - 0 (1 total, Query took 0.0019 seconds.)

```
SELECT emp_ssn, emp_name, emp_job, emp_salary, proj_id FROM employee WHERE proj_id = 1125;
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table

Options

	emp_ssn	emp_name	emp_job	emp_salary	proj_id
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1135	KOFI	FLOWERS SET	2500.00	1125

Check all | With selected: Edit Copy Delete Export

8. Find the average salary for each type of manager's job

```
QUARRY
SELECT SUM(salary)
FROM management
WHERE mangr_job = "sales manager"
```

Browser Structure SQL Search Insert Export Import

Show query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are disabled.

Showing rows 0 - 0 (1 total, Query took 0.0020 seconds.)

```
SELECT SUM(salary) from management where mangr_job = "sales manager";
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table

Options

SUM(salary)
NULL

9. Find employee's ssn, name, salary, branch name and branch address in ascending order with the help of the branch name.

```
QUARRY
SELECT e.emp_ssn, e.emp_name, e.emp_salary, b.branch_name, b.branch_address
```

FROM employee e, branches b

WHERE e.emp\_ssn = b.emp\_ssn

ORDER by branch\_name

Show query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available

✓ Showing rows 0 - 7 (8 total, Query took 0.0145 seconds.)

```
SELECT e.emp_ssn, e.emp_name, e.emp_salary, b.branch_name, b.branch_address FROM employee e, branches b
ORDER by branch_name;
```

☐ Profiling [ [Edit inline](#) ] [ [Edit](#) ] [ [Explain SQL](#) ] [ [Create PHP code](#) ] [ [Refresh](#) ]

☐ Show all | Number of rows: 25 ▾ Filter rows:

+ Options

emp_ssn	emp_name	emp_salary	branch_name	branch_address
1134	TOM	1900.00	CLAPHAM	SW7 YRT
1137	SMITH	1700.00	DEPFORD	E15 8YU
1132	GUY	2000.00	EVELYN	SW15 4NQ
1135	KOFI	2500.00	LEWISHAM	SE20 7UV
1133	RICK	1123.00	PECKHAM	SE15 S45
1131	LOT	1800.00	PUTNEY	SW15 6NQ
1138	ACK	2100.00	STRATFORD	E16 9HG
1136	BALD	2100.00	VICTORIA	SW1 2FG

10. Find the equipment type and project name who are working with different equipment id

QUARRY

SELECT p.proj\_name, e.type

FROM project p, equipment e

where p.equipment\_id = e.equipment\_id

Show query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✓ Showing rows 0 - 7 (8 total, Query took 0.0032 seconds.)

```
SELECT p.proj_name, e.type FROM project p, equipment e where p.equipment_id = e.equipment_id;
```

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

proj_name	type
PROJECT A	CHAIR COVE
PROJECT B	FLOWERS
PROJECT C	BALLONS
PROJECT D	CHAIRS AND
PROJECT E	STAGE LIGH
PROJECT F	TABLE COVE
PROJECT G	BACKGROUND
PROJECT H	STAGE

11. Display the project details order by end date in descending order

QUARRY

SELECT \*

from project

order by end\_date DESC

Show query box

✓ Showing rows 0 - 7 (8 total, Query took 0.0067 seconds.) [end\_date: 2022-01-13... - ...]

```
SELECT * from project order by end_date DESC;
```

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	proj_id	proj_name	proj_title	start_date	end_date	feedback	register_no	equipment_id
<input type="checkbox"/>	1127	PROJECT G	UNCLE	2022-01-01	2022-01-13	GOOD WORK DONE	1117	11
<input type="checkbox"/>	1128	PROJECT H	FRIEND	2022-01-01	2022-01-13	GOOD WORK DONE	1118	12
<input type="checkbox"/>	1125	PROJECT E	SON	2021-01-01	2021-01-13	GOOD WORK DONE	1115	18
<input type="checkbox"/>	1126	PROJECT F	BROTHER	2021-01-01	2021-01-13	GOOD WORK DONE	1116	16
<input type="checkbox"/>	1122	PROJECT B	WEDDING	2020-08-22	2020-08-30	GOOD WORK DONE	1112	13
<input type="checkbox"/>	1123	PROJECT C	BIRTHDAY	2020-02-24	2020-02-31	GOOD WORK DONE	1113	15
<input type="checkbox"/>	1121	PROJECT A	BUSINESS	2020-01-01	2020-01-13	GOOD WORK DONE	1111	17
<input type="checkbox"/>	1124	PROJECT D	FAMILY	2021-01-01	NULL	GOOD WORK DONE	1114	14

⬅ ☐ Check all | With selected: Edit Copy Delete Export

12. Create a view to hold branches data whereas in which the branch name is not null.

QUARRY

CREATE OR REPLACE VIEW branches\_1 AS

SELECT \*



FROM employee

WHERE emp\_name is not null;

Describe employee;

Show query box

Showing rows 0 - 7 (8 total, Query took 0.0015 seconds.)

```
SELECT * FROM employee WHERE emp_name is not null;
```

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				emp_ssn	emp_name	emp_job	emp_salary	proj_id	mangr_ssn
<input type="checkbox"/>	Edit	Copy	Delete	1131	LOT	DRIVER	1800.00	1121	111
<input type="checkbox"/>	Edit	Copy	Delete	1132	GUY	BACKGROUND S	2000.00	1122	112
<input type="checkbox"/>	Edit	Copy	Delete	1133	RICK	TABLE AND CH	1123.00	1123	113
<input type="checkbox"/>	Edit	Copy	Delete	1134	TOM	STAGE SET	1900.00	1124	114
<input type="checkbox"/>	Edit	Copy	Delete	1135	KOFI	FLOWERS SET	2500.00	1125	115
<input type="checkbox"/>	Edit	Copy	Delete	1136	BALD	TABLES AND C	2100.00	1126	116
<input type="checkbox"/>	Edit	Copy	Delete	1137	SMITH	BACKGROUND S	1700.00	1127	117
<input type="checkbox"/>	Edit	Copy	Delete	1138	ACK	STAGE SET	2100.00	1128	118

13. Find the salaries for all the employees in the company except for the one who has the highest salary in descending order.

QUARRY

SELECT emp\_salary from employee

where emp\_salary <(select max(emp\_salary) from employee) order by emp\_salary DESC

Show query box

Showing rows 0 - 6 (7 total, Query took 0.0076 seconds.) [emp\_salary: 2100.00... - 1123.00...]

```
SELECT emp_salary from employee where emp_salary <(select max(emp_salary) from employee) order by emp_salary DESC;
```

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				emp_salary
<input type="checkbox"/>	Edit	Copy	Delete	2100.00
<input type="checkbox"/>	Edit	Copy	Delete	2100.00
<input type="checkbox"/>	Edit	Copy	Delete	2000.00
<input type="checkbox"/>	Edit	Copy	Delete	1900.00
<input type="checkbox"/>	Edit	Copy	Delete	1800.00
<input type="checkbox"/>	Edit	Copy	Delete	1700.00
<input type="checkbox"/>	Edit	Copy	Delete	1123.00

14. Create a view to hold employee's data which has the project id of 1121

QUARRY

CREATE OR REPLACE VIEW empv\_1



AS SELECT \*

FROM employee

WHERE proj\_id=1121;

Describe empv\_1;

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0161 seconds.)

```
CREATE OR REPLACE VIEW empv_1 AS SELECT * FROM employee WHERE proj_id=1121;
```

[ [Edit inline](#) ] [ [Edit](#) ] [ [Create PHP code](#) ]

Your SQL query has been executed successfully.

```
Describe empv_1;
```

[ [Edit inline](#) ] [ [Edit](#) ] [ [Create PHP code](#) ]

+ Options

Field	Type	Null	Key	Default	Extra
emp_ssn	int(11)	NO		NULL	
emp_name	varchar(10)	YES		NULL	
emp_job	varchar(12)	YES		NULL	
emp_salary	double(7,2)	YES		NULL	
proj_id	int(11)	YES		NULL	
mangr_ssn	int(11)	YES		NULL	