CLIENT LEVEL USER command script

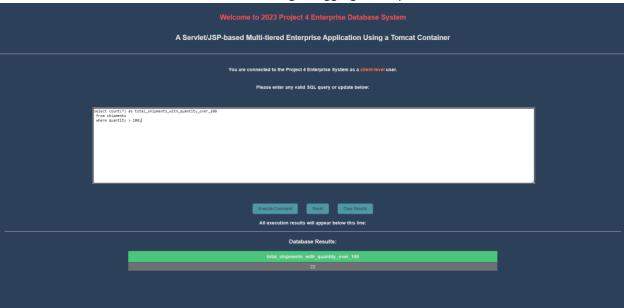
1. Command 1: Query: list the supplier number and supplier name for those suppliers who ship every green part.

Welcome to 2023 Project 4 Enterprise Database System A Servlet/JSP-based Multi-tiered Enterprise Application Using a Tomcat Container					
You are connected to the Project 4 Enterprise System as a client-level user. Please enter any valid SQL query or update below:					
select snum, sname from suppliers where not exists (from parts where parts.color = "green" sold parts.color = sold parts.c	nue				
Execute Command Result Clear Results All execution results will appear below this line:					
Database Results:					
S6	sname Nicola Glanniberti				

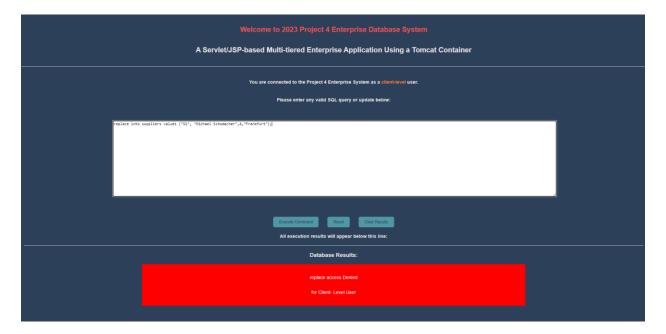
2. # Command 2: This command will not execute for the client-level user.

Welcome to 2023 Project 4 Enterprise Database System					
A Servlet/JSP-based Multi-tiered Enterprise Application Using a Tomcat Container					
	You are connected to the Project 4 Enterprise System as a client level user.				
	Please enter any valid SQL query or update below:				
upda set where	te jos city - "Meria" e city - "Paria"				
	Execute Command Reset Court Results				
All execution results will appear below this line: Database Results:					
	Update access Denied				
	for Client-Level User				

Command 3: This is a basic select command using an aggregation operator

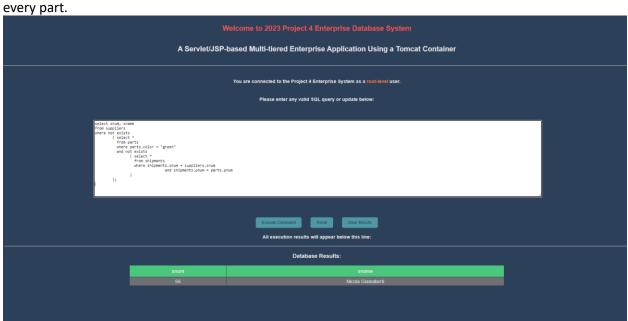


- 4. # Command 4: This command will not execute for the client-level user.
- # Output should show the message indicating that the command was denied to the client-level user. replace into suppliers values ("S1", "Michael Schumacher",4,"Frankfurt");



ROOT LEVEL USER command script

1. # Command 1: Query: list the supplier number and supplier name for those suppliers who ship



2. # Command 1:

Command 2A: Query: list all supplier information.



Command 2B: add a new record to shipments table (S5, P6, J7, 400)



Command 2C: list all supplier information.



Command 3 is a multi-part that does not cause the business logic to trigger

Command 3A list all supplier information



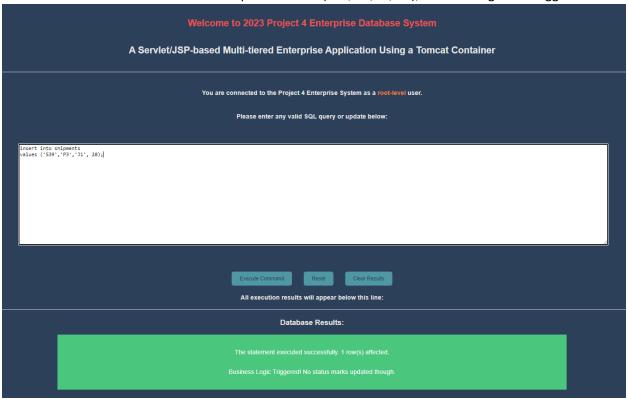
Command 3B: add a new record to the supplier table (S39, Candice Swanepoel, 10, Cardiff)

Welcome to 2023 Project 4 Enterprise Database System				
A Servlet/JSP-based Multi-tiered Enterprise Application Using a Tomcat Container				
You are connected to the Project 4 Enterprise System as a root-level user.				
Please enter any valid SQL query or update below:				
Insert into suppliers values ('539','Candice Swamepool',18,'Cardiff');				
Execute Command Reset Clear Results All execution results will appear below this line:				
Database Results:				
The statement executed successfully. 1 row(s) affected. Business Logic Triggered! No status marks updated though.				

Command 3C: list all supplier information.



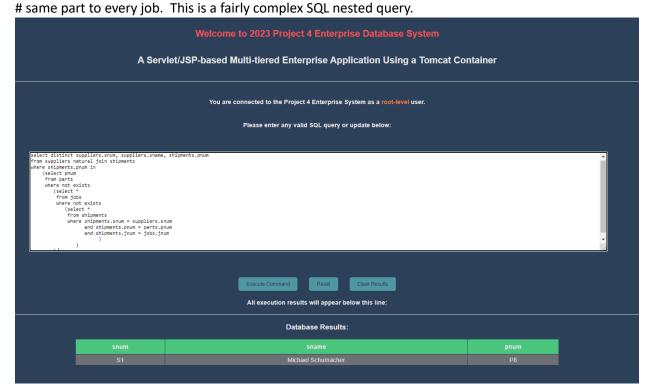
Command 3D: add a new record to shipments table (S39, P3, J1, 20), business logic will trigger



Command 3E: list all supplier information

ers;			
ers;			
		_	
	Execute Command Reset	Clear Results	
	All execution results will appear b	elow this line:	
	Database Results:		
snum	sname	status	city
S1	Michael Schumacher		Berlin
S10	David Coulthard		London
	Bernard Hinault		Paris
S12	Eddy Merckx	1	Brussels
S13	Candice Swanepoel	3	Cape Town
S14	Adriana Lima	4	Sao Paulo
S15	Jennifer Lawrence	6 4	Owensboro
S16	Fernando Alonso		Madrid
S17 S18	Rubens Barichello	2	Sao Paulo
S18 S19	Tom Boonen Johan Messeuw	1	Brussels Eekloo
S2		4	
S20	Juan Pablo Montoya Danilo Rossi	2	Interlagos Milan
S20 S21	Danilo Rossi Lizzie Armistead	1	Milan Hempstead
\$22	Jan Ullrich	5	Bonn
S3	Dietrich Thurau	1	Berlin
S32	Bernd Schnieder		Berlin
S33	Rolf Aldag	3	Berlin
	Candice Swanepoel		Cardiff
S4	Mark Webber		Melbourne
S44	Beryl Burton		London
\$5	Jenson Button		London
S56	Marianne Vos		Zandvoort
56	Nicola Gianniberti		Milan
	Christian Albers		Orlando
	Giancarlo Fisichella		Milan

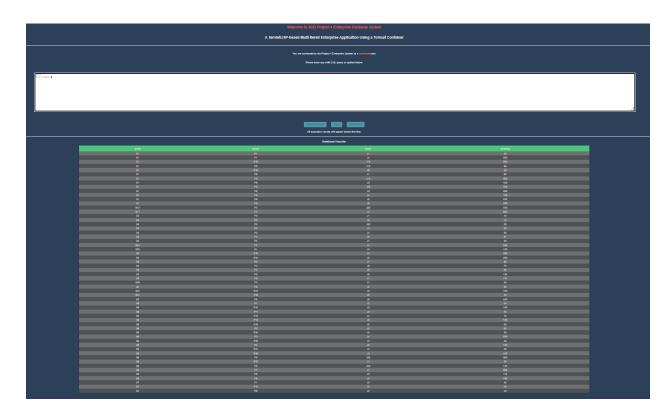
Command 4: List the snum, sname, and pnum for those suppliers who ship the



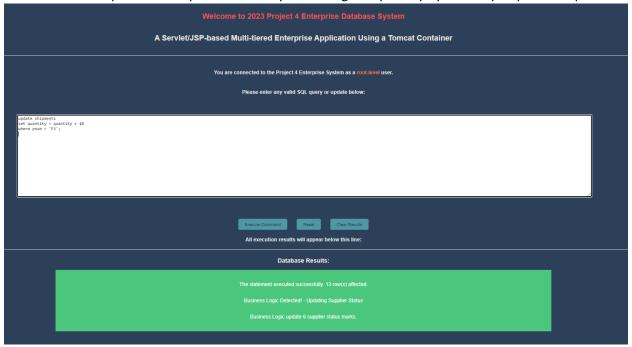
- # Command 5 is a multipart transaction that will cause the business logic to trigger
- #
- # The first part is a query to illustrate all shipment information before the update.
- # The second part performs the update and causes the business logic to trigger.
- # The third part is a query that illustrates all shipment information after the update/
- # Command 5A: List all supplier information



Command 5B: List all shipment information



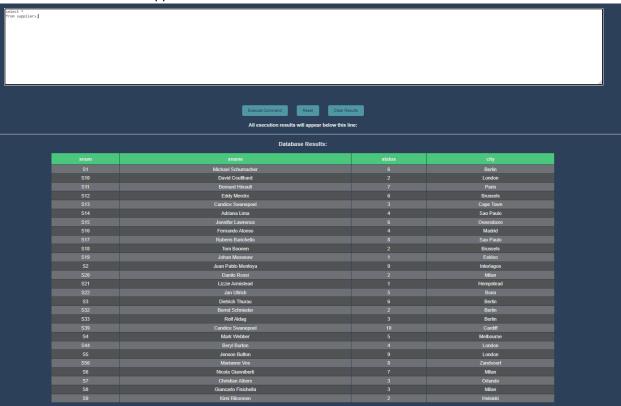
Command 5C: Update the shipments table by increasing the quantity by 10 every shipment of part P3.



Command 5D: List all shipment information

	<u>.</u>			
S			Database Results:	
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Pro	SI			
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Stock Pet	81	P8	J13	200
51 PR JA 100 61 PR JA 100 61 PR JA 220 610 PR JA 220 610 PR JA 100 617 PR JA 100 62 PR JA 100 63 PR JA 100 64 JA JA 100 65 PR JA JA 100 65 PR JA JA 100 100 65 PR JA JA 100 100 100 100	81			
St				
51 PR as 226 51 PR as 226 517 PR J2 840 52 PR J2 840 52 PR J2 23 52 PR J2 23 52 PR J2 33 52 PR J2 33 52 PR J2 33 53 PR J3 J4 30 53 PR J3 J4 30 30 53 PR J3 J4 30 30 53 PR J2 J4 30 30 53 PR J3 J4 30 30 53 PR J3 J4 30 30 53 PR J4 J4 30 30 53 PR J4 J4 30 10 54 J4				
ST	81		31	
\$17				
\$17	51	PB		
F2			322	
F3				
10	- 2		JI	
Page				
P3	92		12	
P3		P3		
PA	92			
Strict				
100 PT				
Fig.	822			
Fig.	61			
Fig.	83		.p	
53 P2 36 86 86 86 86 86 86 86 86 86 86 86 86 86				
ST				
PS				
Feb	S3			
P3	SS			
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56 P10 .5 50 50 50 50 50 50 50 50 50 50 50 50 50				
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96 P3 34 96 56 PG3 34 40 56 P4 32 100 56 P4 34 20 56 P8 32 100 56 P8 32 20 56 P8 32 11 26 56 P8 32 11 26 56 P8 32 11 30 56 P8 32 11 30 56 P7 31 30 56 P8 30 110 56 P8 34 15 100 57 P9 34 34 160				
56 P3 J4 50 56 P3 J4 40 56 P4 J2 50 56 P4 J2 50 56 P4 J2 50 56 P8 J22 500 56 P8 J22 500 56 P8 J22 10 57 P9 J4 J4 10 58 P8 J4 J4 10	86			
55 PG3 A4 40 56 P4 32 180 56 P4 34 20 56 P4 34 20 56 P4 34 35 20 56 P5 P5 22 20 56 P6 34 36 56 P7 34 36 56 P7 34 36 56 P7 34 36 57 P1 32 40				
SM PM JF 150 56 PM JF 20 56 PR JZ2 20 56 PR JZ 26 56 PR JZ 10 56 PR JZ 10 56 PR JB 110 56 PR JR 10 57 PI JZ 40				
56 P64 J4 20 58 P6 J2 50 56 P6 J2 20 56 P6 J2 10 56 P6 J2 10 56 P7 J1 300 50 P9 J4 110 57 P1 J2 40				
See Pea JF 100 56 PS JJZ 200 56 PEA JF 202 100 56 PF JF JF 300 110 56 PF JF JF 160 160 57 PF JF JF 40 40				
56 PR3 J.T 26 59 PR 0,022 100 59 PR 0,02 J.T 300 59 PR 0,0 110 59 PR 34 180 57 PR 22 40	86		.34	
56 PR3 J.T 26 59 PR 0,022 100 59 PR 0,02 J.T 300 59 PR 0,0 110 59 PR 34 180 57 PR 22 40				
56 P8 .22 130 56 77 .41 300 56 P9 .5 110 56 P9 .4 180 57 P1 .2 40	S6			
56 P7 J. 500 56 P4 J. 110 56 P9 J. 180 57 P1 J. 2 40				
58 PR .0 110 58 P9 A 100 57 P1 .22 40	86	P6		
\$6 P9 J4 190 \$7 P1 J2 40				
	S6	P8	.13	
	56		34	

Command 5E: List all supplier information



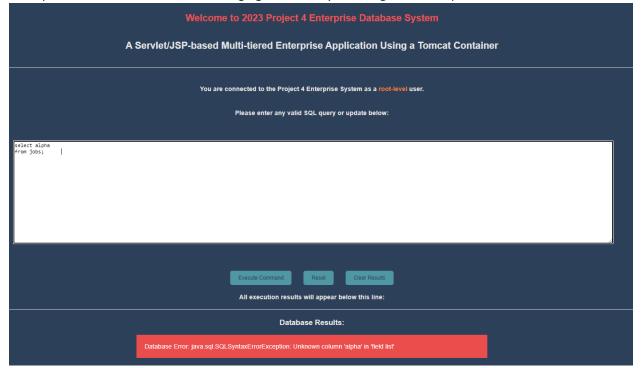
Command 6: List the snum, and sname for those suppliers who ship only green parts.

Output should list only supplier number S44 (Beryl Burton)

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A Servlet/JSP-based Multi-tiered Enterprise Application Using a Tomcat Container				
You are connected to the Project 4 Enterprise System as a root-level user.				
Please enter any valid SQL query or update below:				
select sname from suppliers where snum in (select snum from shipments where pnum in (select pnum from parts where color = 'green')) and snum not in (select snum from shipments from shipments from parts from parts where color <> 'green')); where color <> 'green'));				
Execute Command Reset Clear Results All execution results will appear below this line:				
Database Results:				
Sname Beryl Burton				

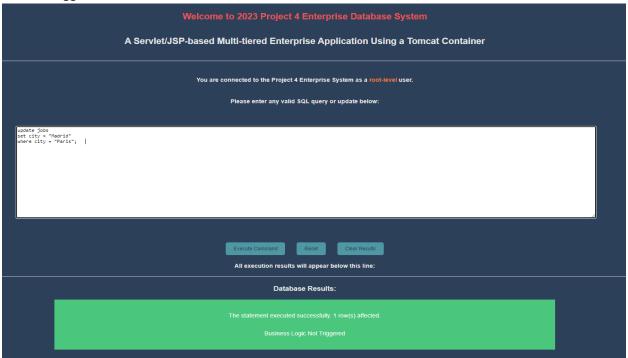
Command 7: This will generate an intentional error in command syntax.

Output should show the error message generated by catching an SQLEception

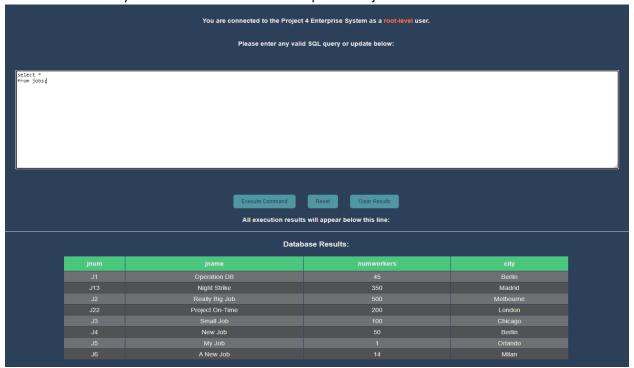


Command 8: This will not trigger the business logic.

Output should show the message indicating that the command was executed but the business logic has not triggered



Command 9: Verify that command #8 did in fact update the jobs table



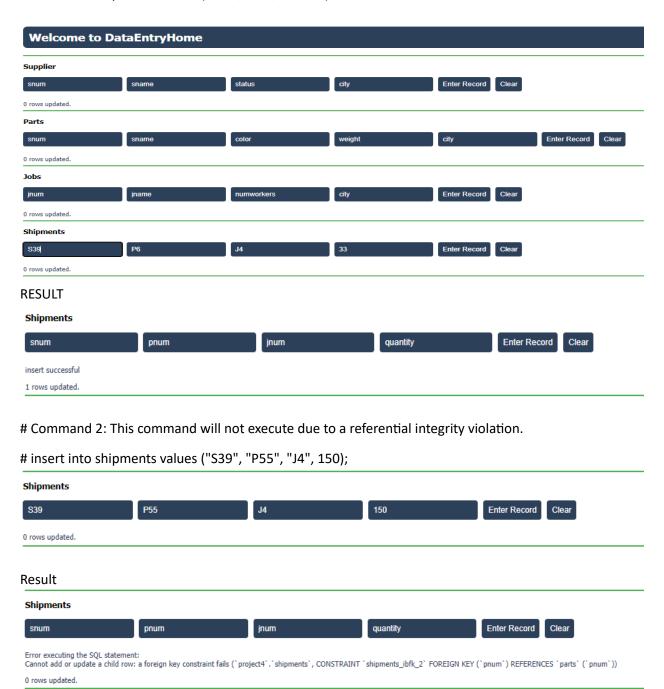
Command 10: This is a basic select command using an aggregation operator

Business logic not triggered and no table is updated.

Welcome to 2023 Project 4 Enterprise Database System				
A Servlet/JSP-based Multi-tiered Enterprise Application Using a Tomcat Container				
	You are connected to the Project 4 Enterprise System as a root-level user.			
	Please enter any valid SQL query or update below:			
<pre>select count(*) as total_shipments from shipments;</pre>				
	Execute Command Reset Clear Results			
	All execution results will appear below this line:			
Database Results:				
	SQL Command not recognized. Please make sure you use a DDL, DML, or DCL command.			

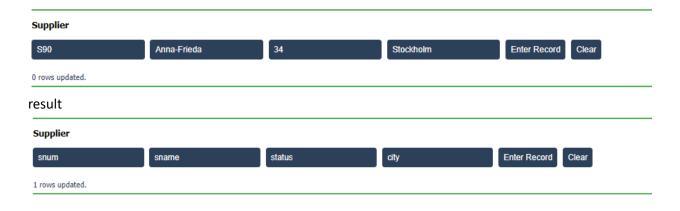
Data Entry LEVEL USER command script

- 1. # Command 1: Insert new shipment record for supplier S5.
- # This will work ok. Business logic not triggered
- # insert into shipments values ("S39", "P6", "J4", 33);



Command 3: This command will work.

insert into suppliers values("S90","Anna-Frieda",34,"Stockholm");



Command 4: This command will work.

insert into jobs values ("J90", "Top Secret Job", 3, "Stockholm");



Command 5: This command will work and trigger the business logic.

insert into shipments values("S39","P6","J6",500);

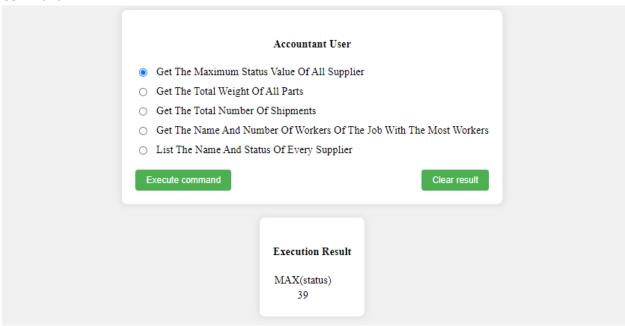


insert into parts values("P90","U-plate","black",50,"Cardiff"); Parts P90 U-plate Cardiff Enter Record Clear 0 rows updated. result Parts Enter Record Clear snum 1 rows updated. # Command 7: This command will not work. # insert into shipments values("S39","P6","J6",35); **Shipments** S39 Enter Record P6 0 rows updated. result **Shipments** snum jnum quantity Enter Record Clear pnum Error executing the SQL statement: Duplicate entry 'S39-P6-J6' for key 'shipments.PRIMARY' 0 rows updated. # Command 8: This command will work and trigger the business logic. # insert into shipments values("S90","P90","J90",500); **Shipments** 500 S90 P90 J90 Enter Record 0 rows updated. Result: **Shipments** Enter Record snum pnum jnum quantity Clear updated 1 supplier(s) 1 rows updated.

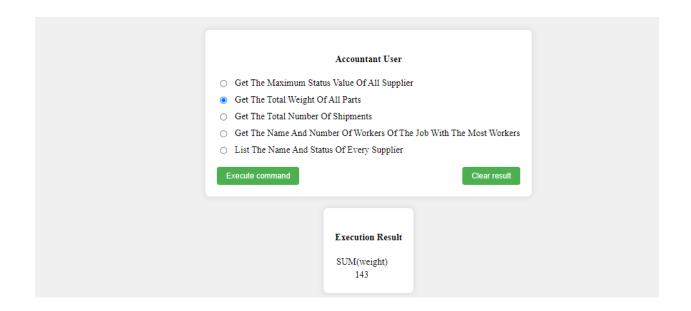
Command 6: This command will work and not trigger the business logic.

Account LEVEL USER command script

Command 1



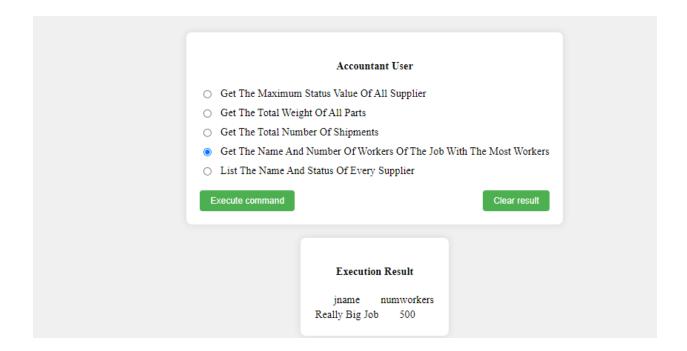
Command 2



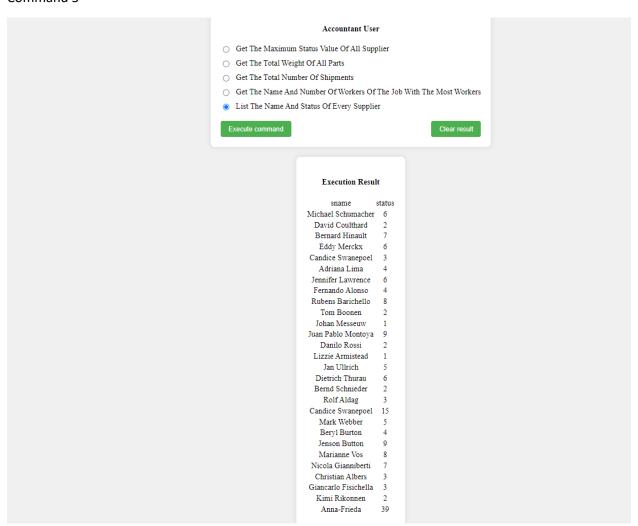
Command 3

	Accountant User	
Get The Total Weight O Get The Total Number o Get The Name And Nur List The Name And Star	Of Shipments nber Of Workers Of The	Job With The Most Workers
Execute command		Clear result
	Execution Result COUNT(*) 61	

Command 4



Command 5



$\textit{\# DATA ENTRY LEVEL USER } command \ script$