1. Return customer name and customer address for customers in the state of WI, SC, and NY. Customer address is upper case. Sort by last name.

CUSTOMER_NAME	Customer Address
Best Digital Products	9588 52ND STREET KENOSHIA, WI 53144
Best Digital Products	9339 E PALMETTO ST FLORENCE, SC N7S 3X9
Big Box Digital	2757 AIRPORT BLD COLUMBIA, SC 92115
Digital Junkies	9522 2ND CT SYRACUSE, NY 13290
Everything Electronics	8383 8TH STREET WISCONSIN RAPIDS, WI 54494
Technology R Us	2342 W.250TH ST NEW HARTFORD, NY 13413
Worldwide Digital Inc	9119 DUMBAR ST SPARTANBURG, SC 55901

2. Return employee name and address in lower case. Sort by last name.

EMPLOYEE_NAME	Address
black, sandy	9467 range road san diego, ca 33553
hill, janis	4923 big hill road denver, co 33336
manis, terry	375 sandhill lane troy, mi 53321
mansion, troy	3585 sunny drive toronto, on j5f 9j4
smith, jim	148 main street kenoshia, wi 64765
white, jane	8123 taylor drive rochester, ny 45322

3. Use the CONCAT function to output the employee name and address as shown. Sort by last name.

Employee's Address
Black, Sandy 9467 Range Road San Diego, CA 33553
Hill, Janis 4923 Big Hill Road Denver, CO 33336
Manis, Terry 375 Sandhill Lane Troy, MI 53321
Mansion, Troy 3585 Sunny Drive Toronto, ON J5F 9J4
Smith, Jim 148 Main Street Kenoshia, WI 64765
White, Jane 8123 Taylor Drive Rochester, NY 45322

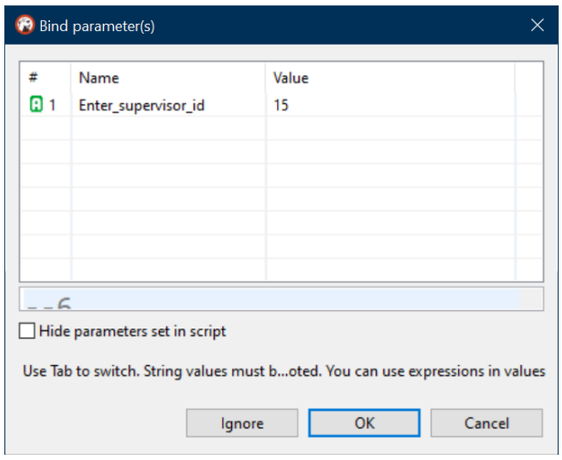
4. Use the CONCAT function to output the following from the two words "Data" and "base."

TITLE
Database

5. Use the SUBSTR functions with the b_employees table to output the following:

```
NAME      |COMMISSION|
----------+----------+
J. White  |  49329.00|
J. Smith  |  12345.00|
T. Mansion|  68561.00|
T. Manis  |  50542.50|
J. Hill   |  23487.00|
S. Black  |  39216.00|
```

6. Use the SUBSTR functions with the b_employees table. Use a bind/host variable to input the supervisor id and display sellers that report to that supervisor. Sort by last name.




```
NAME    |COMMISSION|
--------+----------+
J. Hill |  23487.00|
S. Black|  39216.00|
```

7. Use a function that returns the position of the letter "Q" in the string "Database Design and SQL."

```
Position|
--------|
      22|
```

8. Use a function that returns the length of the string "Database Design and SQL."

```
Length|
------|
    23|
```

9. Using the following strings, return "Database Design and SQL"

```
'     Database'
'Design     '
'     and SQL     '
```

```
TITLE                  |
-----------------------|
Database Design and SQL|
```

10. Using functions and the strings "Database," "Internet," and "Academy", pad the string to produce:

```
DIA                                    |
---------------------------------------|
****Database****Internet****Academy****|
```

11. Using functions and the strings "Database," "Internet," and "Academy", pad the string to produce:

```
DIA                           |
------------------------------|
Database$$$Internet$$$Academy|
```

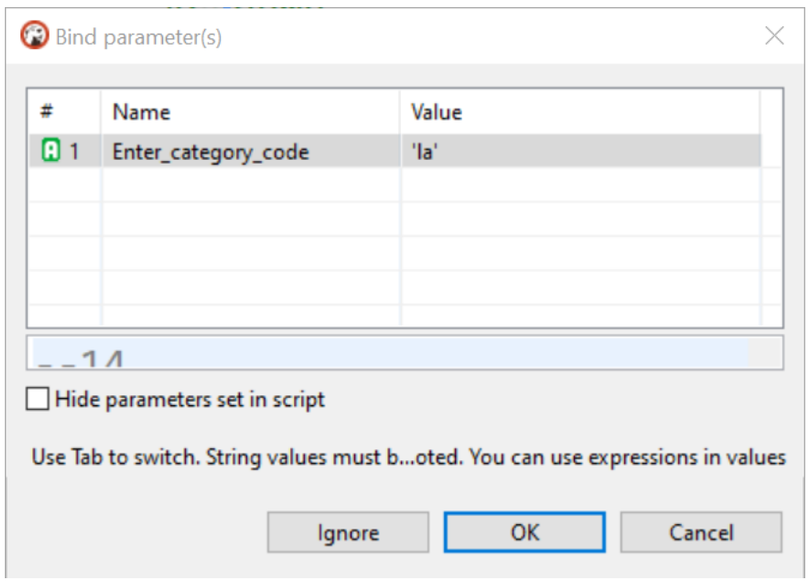
12. Using the string "Database Internet Academy", produce the output below using the REPLACE function:

```
Course                     |
---------------------------+
Database 2021-2022 Academy|
```

13. Return product code and price paid from the b_order_lines table. Return all products where the price paid is greater than 400.00. Use the LPAD function to format the price paid and fill in the empty spaces to the left of the price with dollar ($) symbol. Sort price paid descending within product code.

PRODUCT_CODE	PRICE
BV06	$$$794.95
DR93	$$$495.00
DR93	$$$495.00
DR93	$$$495.00
KL62	$$$495.00
KT03	$$$595.00
KT03	$$$495.00
KT03	$$$495.00
KV29	$$$1290.00

14. Return product code, description, and price from the b_products table. Use a bind/host variable to prompt for a category and display only those products in that category. Allow for the bind variable to be entered in upper/lower case. Only return products where the price is between 2400.00 and 6000.00. Sort by product code.



PRODUCT_CODE	DESCRIPTION	PRICE
P729	3-piece Stainless Appliance Package	5500.00
R940	Side-By-Side Stainless Steel Refrigerator	2400.00
W283	Stackable Washer and Dryer Combo	2575.00