1. Use VALUES to process the following numbers:

   845.553 - round to one decimal place

```
00001
-------
845.600
```

   30695.348 - round to two decimal places

```
00001
---------
30695.350
```

   30695.348 - round to -2 decimal places

```
00001
---------
30700.000
```

   2.3587 - truncate the 587 from the decimal place

```
00001
------
2.3000
```

   Use ROUND and DECIMAL to convert 86.678 to 86.68

```
00001
-----
86.68
```

   Use TO_CHAR to convert 86.678 to 86.68

```
00001
-----
86.68
```

2. Divide 34 by 8. Show only the remainder of the division. Name the output RESULT

```
RESULT
------
     2
```

3. Using the B_EMPLOYEES table, display employee name and yearly salary (monthly salary * 12) with a yearly salary greater than 75000. Sort yearly salary in descending.

```
EMPLOYEE   |YEARLY_SALARY|
-----------+-------------+
Terry Manis|    132000.00|
Sandy Black|     92400.00|
Janis Hill |     79025.40|
```

4. Using the B_EMPLOYEES table, display employee name, current salary, and new salary. Current salary is the monthly salary * 12 and new salary is current salary * 1.08125. Only display B_EMPLOYEES that have a new salary greater than 75,000. Sort new salary descending. Display salaries rounded with two decimals.

```
EMPLOYEE   |CURRENT_SALARY|NEW_SALARY    |
-----------+--------------+--------------+
Terry Manis|     132000.00|142725.0000000|
Sandy Black|      92400.00| 99907.5000000|
Janis Hill |      79025.40| 85446.2137500|
Jim Smith  |      72010.20| 77861.0287500|
```

5. Using the B_EMPLOYEES table, display employee name, current salary, and new salary. Current salary is the monthly salary * 12 and new salary is current salary * 1.08125. Only display B_EMPLOYEES that have a new salary greater than 75,000. Sort new salary descending. Use the ROUND function to round new salary to two decimals.

```
EMPLOYEE   |CURRENT_SALARY|NEW_SALARY    |
-----------+--------------+--------------+
Terry Manis|     132000.00|142725.0000000|
Sandy Black|      92400.00| 99907.5000000|
Janis Hill |      79025.40| 85446.2100000|
Jim Smith  |      72010.20| 77861.0300000|
```

6. Using the B_EMPLOYEES table, display employee name, current salary, and new salary. Current salary is the monthly salary * 12 and new salary is current salary * 1.08125. Only display B_EMPLOYEES that have a new salary greater than 75,000. Sort new salary in descending sequence. Use the ROUND function to round new salary to two decimals. Use the DECIMAL function to display new salary with two decimals.

```
EMPLOYEE   |CURRENT_SALARY|NEW_SALARY|
-----------+--------------+----------+
Terry Manis|     132000.00| 142725.00|
Sandy Black|      92400.00|  99907.50|
Janis Hill |      79025.40|  85446.21|
Jim Smith  |      72010.20|  77861.03|
```

7. Using the B_EMPLOYEES table, display employee name, current salary, and new salary. Current salary is the monthly salary * 12 and new salary is current salary * 1.08125. Only display B_EMPLOYEES that have a new salary greater than 75,000. Sort new salary in descending sequence. Use the TO_CHAR function to display current and new salary as shown.

```
NAME       |CURRENT_SALARY|NEW_SALARY |
-----------+--------------+-----------+
Terry Manis| 132,000.00   | 142,725.00|
Sandy Black|  92,400.00   |  99,907.50|
Janis Hill |  79,025.40   |  85,446.21|
Jim Smith  |  72,010.20   |  77,861.03|
```

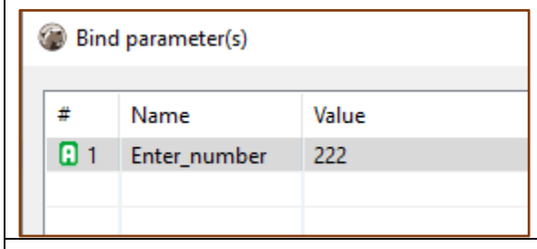
8. Using the B_CUSTOMERS table, display the report shown below. New credit limit is calculated as credit limit * 1.0525. Only display customers with a new credit limit between 60,000 and 75,000. Sort credit limit descending within city. Right align current and new credit limits as shown.

CITY	CUSTOMER_NAME	CURRENT_CREDIT_LIMIT	NEW_CREDIT_LIMIT
Las Vegas	Frys Electronics	68,200.00	71,780.50
Rochester	Worldwide Digital Inc	60,000.00	63,150.00
Spartanburg	Worldwide Digital Inc	60,000.00	63,150.00
Syracuse	Digital Junkies	60,000.00	63,150.00

9. The company is changing the pricing of products. On Monday, the price will be reduced to the even dollar; that is, if the price is 24.45 or 24.95, the new price will be 24.00. On Tuesday, the price is being increased to the next even dollar; that is, 24.45 and 24.95 will be increased to 25.00. Use the B_PRICES table.

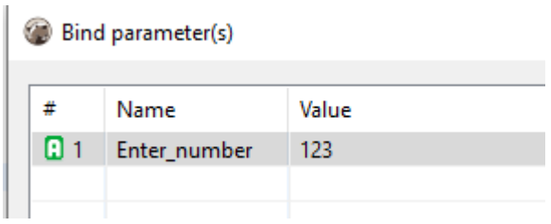
PRODUCT_CODE	ORIGINAL_PRICE	MONDAY_PRICE	TUESDAY_PRICE
AT94	79.95	79.00	80.00
BV06	849.49	849.00	850.00
CD52	184.65	184.00	185.00

10. Use the MOD function to determine if the number entered is an even number or an odd number. If the result is 1, display odd number. If the result is 0, display even number. This question requires the MOD function, a CASE structure, and a host variable.



RESULT

Even number



RESULT

Odd number