```
\qecho 'Question 1'

CREATE FUNCTION

-- Testing for all possibilities when num1 > num2, num2 < num1, and when
num1 = num2
-- Test case: 42 and 28

 maximumofnums
---------------
            42
(1 row)

-- Test case: 33 and 55

 maximumofnums
---------------
            55
(1 row)

-- Test case: 33 and 33

 maximumofnums
---------------
            33
(1 row)


\qecho 'Question 2'

CREATE TABLE

 id | name | age | address | salary
----+------+-----+---------+--------
(0 rows)


INSERT 0 6

 id |  name    | age |  address   | salary
----+----------+-----+------------+---------
  1 | Bhargav  |  32 | Ahmedabad  | 2000.00
  2 | Tarika   |  25 | Delhi      | 1500.00
  3 | John     |  23 | Kota       | 2000.00
  4 | Michael  |  25 | Mumbai     | 6500.00
  5 | Harish   |  27 | Bhopal     | 8500.00
  6 | Suraj    |  22 | MP         | 4500.00
(6 rows)

CREATE FUNCTION

-- Test case 1 (incrementing salaries by 500)
```

```
NOTICE:  UPDATED
 increasedsalary
-----------------

(1 row)

 id |  name    | age |  address   | salary
----+----------+-----+------------+---------
  1 | Bhargav  |  32 | Ahmedabad  | 2500.00
  2 | Tarika   |  25 | Delhi      | 2000.00
  3 | John     |  23 | Kota       | 2500.00
  4 | Michael  |  25 | Mumbai     | 7000.00
  5 | Harish   |  27 | Bhopal     | 9000.00
  6 | Suraj    |  22 | MP         | 5000.00
(6 rows)

-- Test case 2 (incrementing salaries by 500, again)

NOTICE:  UPDATED
 increasedsalary
-----------------

(1 row)


 id |  name    | age |  address   | salary
----+----------+-----+------------+---------
  1 | Bhargav  |  32 | Ahmedabad  | 3000.00
  2 | Tarika   |  25 | Delhi      | 2500.00
  3 | John     |  23 | Kota       | 3000.00
  4 | Michael  |  25 | Mumbai     | 7500.00
  5 | Harish   |  27 | Bhopal     | 9500.00
  6 | Suraj    |  22 | MP         | 5500.00
(6 rows)


\qecho 'Question 3'

CREATE FUNCTION

-- Test case: 123

 reversing
-----------
       321
(1 row)

-- Test case: 456

 reversing
-----------
       654
(1 row)
```

\qecho 'Question 4'

CREATE FUNCTION

-- test case: when num = 3

NOTICE: *
NOTICE:
NOTICE: *
NOTICE: *
NOTICE:
NOTICE: *
NOTICE: *
NOTICE: *
NOTICE:
 pyramid

(1 row)

-- test case: when num = 4

NOTICE: *
NOTICE:
NOTICE: *
NOTICE: *
NOTICE:
NOTICE: *
NOTICE: *
NOTICE: *
NOTICE:
NOTICE: *
NOTICE: *
NOTICE: *
NOTICE: *
NOTICE:
 pyramid

(1 row)

\qecho 'Question 5'

CREATE FUNCTION

-- Test case 1: 8 and 48

 find_gcd

        8

-- Test case 2: 144 and 12

```
 find_gcd
----------
       12
(1 row)
```