```
121  SELECT * FROM catalogs WHERE id_catalog < 2;
+------------+----------------------+
| id_catalog | name                 |
+------------+----------------------+
|          1 | Процессоры           |
+------------+----------------------+

121  SELECT * FROM catalogs WHERE id_catalog > 2 AND id_catalog < 7;
+------------+--------------------------------------+
| id_catalog | name                                 |
+------------+--------------------------------------+
|          3 | Видеоадаптеры                        |
|          4 | Жёсткие диски                        |
|          5 | Оперативная память                   |
+------------+--------------------------------------+

122  SELECT * FROM catalogs WHERE id_catalog BETWEEN 2 AND 3;
+------------+---------------------------------+
| id_catalog | name                            |
+------------+---------------------------------+
|          2 | Материнские платы               |
|          3 | Видеоадаптеры                   |
+------------+---------------------------------+

122  SELECT * FROM catalogs WHERE id_catalog NOT BETWEEN 2 AND 3;
+------------+--------------------------------------+
| id_catalog | name                                 |
+------------+--------------------------------------+
|          1 | Процессоры                           |
|          4 | Жёсткие диски                        |
|          5 | Оперативная память                   |
+------------+--------------------------------------+

123  SELECT * FROM catalogs WHERE id_catalog IN (1, 2, 5);
+------------+--------------------------------------+
| id_catalog | name                                 |
+------------+--------------------------------------+
|          1 | Процессоры                           |
|          2 | Материнские платы                    |
|          5 | Оперативная память                   |
+------------+--------------------------------------+

123  SELECT * FROM catalogs WHERE name = 'Процессоры';
+------------+----------------------+
| id_catalog | name                 |
+------------+----------------------+
|          1 | Процессоры           |
+------------+----------------------+

124  SELECT * FROM orders WHERE ordertime >= '2005-02-01' AND ordertime < '2005-03-01';
+----------+---------+---------------------+--------+------------+
| id_order | id_user | ordertime           | number | id_product |
+----------+---------+---------------------+--------+------------+
|        2 |       6 | 2005-02-10 09:40:29 |      2 |         10 |
|        3 |       1 | 2005-02-18 13:41:05 |      4 |         20 |
+----------+---------+---------------------+--------+------------+

124  SELECT * FROM catalogs WHERE 1;
+------------+--------------------------------------+
| id_catalog | name                                 |
+------------+--------------------------------------+
|          1 | Процессоры                           |
|          2 | Материнские платы                    |
|          3 | Видеоадаптеры                        |
|          4 | Жёсткие диски                        |
|          5 | Оперативная память                   |
+------------+--------------------------------------+

125  SELECT * FROM catalogs ORDER BY id_catalog;
+------------+--------------------------------------+
| id_catalog | name                                 |
+------------+--------------------------------------+
|          1 | Процессоры                           |
|          2 | Материнские платы                    |
|          3 | Видеоадаптеры                        |
|          4 | Жёсткие диски                        |
|          5 | Оперативная память                   |
+------------+--------------------------------------+

125  SELECT * FROM catalogs ORDER BY name;
+------------+--------------------------------------+
| id_catalog | name                                 |
+------------+--------------------------------------+
|          3 | Видеоадаптеры                        |
|          4 | Жёсткие диски                        |
|          2 | Материнские платы                    |
|          5 | Оперативная память                   |
|          1 | Процессоры                           |
+------------+--------------------------------------+

125  SELECT count, mark FROM products WHERE count BETWEEN 4 AND 8 ORDER BY count;
+-------+------+
| count | mark |
+-------+------+
|     4 |  3.9 |
|     4 |  4.0 |
```

```
|     4 |  3.9 |
|     4 |  4.1 |
|     5 |  4.0 |
|     5 |  4.0 |
|     5 |  4.5 |
|     6 |  3.7 |
|     6 |  4.1 |
|     6 |  4.1 |
|     6 |  4.5 |
|     6 |  3.6 |
|     6 |  4.0 |
|     6 |  4.0 |
|     8 |  4.2 |
|     8 |  4.5 |
+-------+------+

126  SELECT count, mark FROM products WHERE count BETWEEN 4 AND 8 ORDER BY count, mark;
+-------+------+
| count | mark |
+-------+------+
|     4 |  3.9 |
|     4 |  3.9 |
|     4 |  4.0 |
|     4 |  4.1 |
|     5 |  4.0 |
|     5 |  4.0 |
|     5 |  4.5 |
|     6 |  3.6 |
|     6 |  3.7 |
|     6 |  4.0 |
|     6 |  4.0 |
|     6 |  4.1 |
|     6 |  4.1 |
|     6 |  4.5 |
|     8 |  4.2 |
|     8 |  4.5 |
+-------+------+

127  SELECT ordertime FROM orders ORDER BY ordertime;
+---------------------+
| ordertime           |
+---------------------+
| 2005-01-04 10:39:38 |
| 2005-02-10 09:40:29 |
| 2005-02-18 13:41:05 |
| 2005-03-10 18:20:00 |
| 2005-03-17 19:15:36 |
+---------------------+

127  SELECT ordertime FROM orders ORDER BY ordertime DESC;
+---------------------+
| ordertime           |
+---------------------+
| 2005-03-17 19:15:36 |
| 2005-03-10 18:20:00 |
| 2005-02-18 13:41:05 |
| 2005-02-10 09:40:29 |
| 2005-01-04 10:39:38 |
+---------------------+

128  SELECT id_product, count FROM products ORDER BY count DESC LIMIT 5;
+------------+-------+
| id_product | count |
+------------+-------+
|         25 |    20 |
|         28 |    20 |
|         26 |    15 |
|          9 |    12 |
|         29 |    12 |
+------------+-------+

128  SELECT id_product, count FROM products ORDER BY count DESC LIMIT 5, 5;
+------------+-------+
| id_product | count |
+------------+-------+
|          1 |    10 |
|         27 |    10 |
|         24 |     8 |
|         30 |     8 |
|         19 |     6 |
+------------+-------+

130  SELECT COUNT(id_order) FROM orders;
+-----------------+
| COUNT(id_order) |
+-----------------+
|               5 |
+-----------------+

131  SELECT COUNT(id_product) FROM products;
+-------------------+
| COUNT(id_product) |
+-------------------+
|                30 |
+-------------------+
```

```
131  SELECT COUNT(id_order) AS total FROM orders;
+-------+
| total |
+-------+
|     5 |
+-------+

131  SELECT MIN(id_catalog) AS min, MAX(id_catalog) AS max FROM catalogs;
+------+------+
| min  | max  |
+------+------+
|    1 |    5 |
+------+------+

132  SELECT * FROM catalogs ORDER BY id_catalog LIMIT 1;
+------------+----------------------+
| id_catalog | name                 |
+------------+----------------------+
|          1 | Процессоры           |
+------------+----------------------+

132  SELECT * FROM catalogs ORDER BY id_catalog DESC LIMIT 1;
+------------+-----------------------------------+
| id_catalog | name                              |
+------------+-----------------------------------+
|          5 | Оперативная память                |
+------------+-----------------------------------+

133  SELECT id_catalog FROM products ORDER BY id_catalog;
+------------+
| id_catalog |
+------------+
|          1 |
........
|          5 |
+------------+

134  SELECT id_catalog FROM products GROUP BY id_catalog ORDER BY id_catalog;

+------------+
| id_catalog |
+------------+
|          1 |
|          2 |
|          3 |
|          4 |
|          5 |
+------------+

134  SELECT COUNT(id_catalog) FROM products;
+-------------------+
| COUNT(id_catalog) |
+-------------------+
|                30 |
+-------------------+

134  SELECT COUNT(DISTINCT id_catalog) FROM products;
+----------------------------+
| COUNT(DISTINCT id_catalog) |
+----------------------------+
|                          5 |
+----------------------------+

135  SELECT id_catalog, COUNT(id_catalog) FROM products GROUP BY id_catalog ORDER BY id_catalog;
+------------+-------------------+
| id_catalog | COUNT(id_catalog) |
+------------+-------------------+
|          1 |                 9 |
|          2 |                 6 |
|          3 |                 4 |
|          4 |                 5 |
|          5 |                 6 |
+------------+-------------------+

136  SELECT id_catalog, COUNT(id_catalog) FROM products WHERE id_catalog > 2 GROUP BY id_catalog ORDER BY id_catalog;
+------------+-------------------+
| id_catalog | COUNT(id_catalog) |
+------------+-------------------+
|          3 |                 4 |
|          4 |                 5 |
|          5 |                 6 |
+------------+-------------------+

137  SELECT id_catalog, COUNT(id_catalog) AS total FROM products GROUP BY id_catalog HAVING total >5 ORDER BY
id_catalog;
+------------+-------+
| id_catalog | total |
+------------+-------+
|          1 |     9 |
|          2 |     6 |
|          5 |     6 |
+------------+-------+

137  SELECT id_catalog, COUNT(id_catalog) FROM products GROUP BY id_catalog HAVING id_catalog > 2 ORDER BY id_catalog;
+------------+-------------------+
| id_catalog | COUNT(id_catalog) |
```

```
+------------+-------------------+
|          3 |                 4 |
|          4 |                 5 |
|          5 |                 6 |
+------------+-------------------+

138  SELECT id_catalog FROM products HAVING id_catalog > 2 ORDER BY id_catalog;
+------------+
| id_catalog |
+------------+
|          3 |
......
|          5 |
+------------+

139  SELECT id_order +5 FROM orders;
+-------------+
| id_order +5 |
+-------------+
|           6 |
|           7 |
|           8 |
|           9 |
|          10 |
+-------------+

139  SELECT id_catalog FROM catalogs UNION SELECT id_order +5 FROM orders;
+------------+
| id_catalog |
+------------+
|          1 |
|          2 |
|          3 |
|          4 |
|          5 |
|          6 |
|          7 |
|          8 |
|          9 |
|         10 |
+------------+

140  SELECT id_catalog FROM catalogs UNION ALL SELECT id_order FROM orders;
+------------+
| id_catalog |
+------------+
|          1 |
|          2 |
|          3 |
|          4 |
|          5 |
|          6 |
|          1 |
|          2 |
|          3 |
|          4 |
|          5 |
+------------+

141  SELECT id_catalog FROM catalogs UNION ALL SELECT id_order FROM orders ORDER BY id_catalog;
+------------+
| id_catalog |
+------------+
|          1 |
|          1 |
|          2 |
|          2 |
|          3 |
|          3 |
|          4 |
|          4 |
|          5 |
|          5 |
|          6 |
+------------+

142  SELECT id_catalog FROM catalogs UNION SELECT id_order FROM orders UNION SELECT id_catalog FROM products UNION
SELECT id_user FROM users;
+------------+
| id_catalog |
+------------+
|          1 |
|          2 |
|          3 |
|          4 |
|          5 |
|          6 |
+------------+

143  SELECT id_catalog FROM catalogs WHERE id_catalog !=4 UNION SELECT id_order FROM orders WHERE id_order !=4 UNION
SELECT id_product FROM products WHERE id_product !=4 LIMIT 10 UNION SELECT id_user FROM users WHERE id_user !=4;
+------------+
| id_catalog |
+------------+
|          1 |
|          2 |
```

```
|          3 |
|          5 |
|          6 |
|          7 |
|          8 |
|          9 |
|         10 |
|         11 |
+------------+
```

```
154  SELECT products.name, products.price FROM products, products AS prd WHERE products.id_catalog = prd.id_catalog AND
prd.name = 'Maxtor 6Y120P0';
+------------------------------+---------+
| name                         | price   |
+------------------------------+---------+
| Maxtor 6Y120P0               | 2456.00 |
| Maxtor 6B200P0               | 3589.00 |
| Samsung SP0812C              | 2093.00 |
| Seagate Barracuda ST3160023A | 3139.00 |
| Seagate ST3120026A           | 2468.00 |
+------------------------------+---------+
```

```
155  SELECT id_order, ordertime FROM orders ORDER BY ordertime;
+----------+---------------------+
| id_order | ordertime           |
+----------+---------------------+
|        1 | 2005-01-04 10:39:38 |
|        2 | 2005-02-10 09:40:29 |
|        3 | 2005-02-18 13:41:05 |
|        4 | 2005-03-10 18:20:00 |
|        5 | 2005-03-17 19:15:36 |
+----------+---------------------+
```

```
155  SELECT ord1.id_order AS id1,
            ord2.id_order AS id2,
            ord1.ordertime,
            ord2.ordertime,
            TO_DAYS(ord2.ordertime) - TO_DAYS(ord1.ordertime) AS different
FROM orders AS ord2, orders AS ord1
     WHERE ord1.id_order + 1 = ord2.id_order
     ORDER BY ord1.ordertime;
+-----+-----+---------------------+---------------------+-----------+
| id1 | id2 | ordertime           | ordertime           | different |
+-----+-----+---------------------+---------------------+-----------+
|   1 |   2 | 2005-01-04 10:39:38 | 2005-02-10 09:40:29 |        37 |
|   2 |   3 | 2005-02-10 09:40:29 | 2005-02-18 13:41:05 |         8 |
|   3 |   4 | 2005-02-18 13:41:05 | 2005-03-10 18:20:00 |        20 |
|   4 |   5 | 2005-03-10 18:20:00 | 2005-03-17 19:15:36 |         7 |
+-----+-----+---------------------+---------------------+-----------+
```

```
156  SELECT id_catalog, COUNT(id_product), SUM(count) FROM products GROUP BY id_catalog;
+------------+-------------------+------------+
| id_catalog | COUNT(id_product) | SUM(count) |
+------------+-------------------+------------+
|          1 |                 9 |         47 |
|          2 |                 6 |         27 |
|          3 |                 4 |         15 |
|          4 |                 5 |         26 |
|          5 |                 6 |         85 |
+------------+-------------------+------------+
```

```
156  SELECT  catalogs.name,
     COUNT(id_product),
     SUM(count)
FROM
     products, catalogs
WHERE
     products.id_catalog = catalogs.id_catalog
GROUP BY
     products.id_catalog;
+-----------------------------------+-------------------+------------+
| name                              | COUNT(id_product) | SUM(count) |
+-----------------------------------+-------------------+------------+
| Процессоры                        |                 9 |         47 |
| Материнские платы                 |                 6 |         27 |
| Видеоадаптеры                     |                 4 |         15 |
| Жёсткие диски                     |                 5 |         26 |
| Оперативная память                |                 6 |         85 |
+-----------------------------------+-------------------+------------+
```

```
158  SELECT
     id_order, users.surname, ordertime, products.name
FROM
     users, orders, products
WHERE
     orders.id_user = users.id_user
     AND
     orders.id_product = products.id_product;
+----------+-----------------+---------------------+------------------------+
| id_order | surname         | ordertime           | name                   |
+----------+-----------------+---------------------+------------------------+
|        1 | Симдянов        | 2005-01-04 10:39:38 | Intel Pentium 4 3.0GHz |
|        2 | Корнеев         | 2005-02-10 09:40:29 | Gigabyte GA-8I848P-RS  |
|        3 | Иванов          | 2005-02-18 13:41:05 | Maxtor 6Y120P0         |
|        4 | Симдянов        | 2005-03-10 18:20:00 | Maxtor 6Y120P0         |
```

```
|        5 | Симдянов         | 2005-03-17 19:15:36 | Maxtor 6Y120P0         |
+----------+------------------+---------------------+------------------------+

158  SELECT id_order, users.surname, products.name, catalogs.name FROM users, orders, products, catalogs WHERE
orders.id_user = users.id_user AND orders.id_product = products.id_product AND products.id_catalog =
catalogs.id_catalog;
+----------+------------------+------------------------+----------------------------------+
| id_order | surname          | name                   | name                             |
+----------+------------------+------------------------+----------------------------------+
|        1 | Симдянов         | Intel Pentium 4 3.0GHz | Процессоры                       |
|        2 | Корнеев          | Gigabyte GA-8I848P-RS  | Материнские платы                |
|        3 | Иванов           | Maxtor 6Y120P0         | Жёсткие диски                    |
|        4 | Симдянов         | Maxtor 6Y120P0         | Жёсткие диски                    |
|        5 | Симдянов         | Maxtor 6Y120P0         | Жёсткие диски                    |
+----------+------------------+------------------------+----------------------------------+

     ### JOIN ###
162  SELECT
               catalogs.name, COUNT(id_product)
     FROM
               catalogs JOIN products USING(id_catalog)
     GROUP BY
               products.id_catalog;
+-------------------------------------+-------------------+
| name                                | COUNT(id_product) |
+-------------------------------------+-------------------+
| Процессоры                          |                 9 |
| Материнские платы                   |                 6 |
| Видеоадаптеры                       |                 4 |
| Жёсткие диски                       |                 5 |
| Оперативная память                  |                 6 |
+-------------------------------------+-------------------+

163  INSERT INTO catalogs VALUES (NULL, 'Переферия');
Query OK, 1 row affected (0.00 sec)

163  SELECT catalogs.name, COUNT(id_product)
     FROM catalogs LEFT JOIN products USING(id_catalog)
     GROUP BY products.id_catalog;
+-------------------------------------+-------------------+
| name                                | COUNT(id_product) |
+-------------------------------------+-------------------+
| Переферия                           |                 0 |
| Процессоры                          |                 9 |
| Материнские платы                   |                 6 |
| Видеоадаптеры                       |                 4 |
| Жёсткие диски                       |                 5 |
| Оперативная память                  |                 6 |
+-------------------------------------+-------------------+

164  SELECT
          users.name, users.surname, COUNT(orders.id_order) AS total
     FROM
          users JOIN orders USING(id_user)
     GROUP BY
          users.id_user
     ORDER BY
          total DESC;
+------------------+--------------------+-------+
| surname          | name               | total |
+------------------+--------------------+-------+
| Симдянов         | Игорь              |     3 |
| Корнеев          | Александр          |     1 |
| Иванов           | Александр          |     1 |
+------------------+--------------------+-------+

164  SELECT users.surname, users.name, COUNT(orders.id_order) AS total
FROM users LEFT JOIN orders USING(id_user) GROUP BY users.id_user ORDER BY total DESC;
+--------------------+--------------------+-------+
| surname            | name               | total |
+--------------------+--------------------+-------+
| Симдянов           | Игорь              |     3 |
| Корнеев            | Александр          |     1 |
| Иванов             | Александр          |     1 |
| Лосев              | Сергей             |     0 |
| Кузнецов           | Максим             |     0 |
| Нехорошев          | Анатолий           |     0 |
+--------------------+--------------------+-------+

165  SELECT users.surname, users.name, COUNT(orders.id_order) AS total
FROM users LEFT JOIN orders USING(id_user)
WHERE name = 'Александр'
GROUP BY users.id_user
ORDER BY total DESC;
+----------------+--------------------+-------+
| surname        | name               | total |
+----------------+--------------------+-------+
| Корнеев        | Александр          |     1 |
| Иванов         | Александр          |     1 |
+----------------+--------------------+-------+

165  SELECT users.surname, users.name, COUNT(orders.id_order) AS total
FROM users LEFT JOIN orders USING(id_user)
GROUP BY users.id_user
HAVING total < 3
ORDER BY total DESC;
```

```
+--------------------+--------------------+-------+
| surname            | name               | total |
+--------------------+--------------------+-------+
| Корнеев            | Александр          |     1 |
| Иванов             | Александр          |     1 |
| Лосев              | Сергей             |     0 |
| Кузнецов           | Максим             |     0 |
| Нехорошев          | Анатолий           |     0 |
+--------------------+--------------------+-------+

     ### Операторы и математические функции ###
248  SELECT name, count FROM products WHERE count <5;
+------------------------------+-------+
| name                         | count |
+------------------------------+-------+
| Celeron 2.0GHz               |     2 |
| Celeron 2.4GHz               |     4 |
| Celeron D 320 2.4GHz         |     1 |
| Intel Pentium 4 3.0GHz       |     1 |
| Gigabyte GA-8I848P-RS        |     4 |
| Gigabyte GA-8IG1000          |     2 |
| Asustek P4C800-E Delux       |     4 |
| ASUSTEK A9600XT/TD           |     0 |
| SAPPHIRE 256MB RADEON 9550   |     3 |
| Maxtor 6B200P0               |     4 |
| Seagate Barracuda ST3160023A |     3 |
+------------------------------+-------+

249  SELECT name, price FROM products WHERE price >2000;
+------------------------------+---------+
| name                         | price   |
+------------------------------+---------+
| Celeron 2.4GHz               | 2109.00 |
| Celeron D 325 2.53GHz        | 2747.00 |
| Intel Pentium 4 2.8GHz       | 7259.00 |
| Intel Pentium 4 3.0GHz       | 6147.00 |
| Intel Pentium 4 3.0GHz       | 5673.00 |
| Gigabyte GA-8IG1000          | 2420.00 |
| Gigabyte GA-8IPE1000G        | 2289.00 |
| Asustek P4C800-E Delux       | 5395.00 |
| Asustek P4P800-VM\L i865G    | 2518.00 |
| Epox EP-4PDA3I               | 2289.00 |
| ASUSTEK A9600XT/TD           | 5156.00 |
| SAPPHIRE 256MB RADEON 9550   | 2730.00 |
| GIGABYTE AGP GV-N59X128D     | 5886.00 |
| Maxtor 6Y120P0               | 2456.00 |
| Maxtor 6B200P0               | 3589.00 |
| Samsung SP0812C              | 2093.00 |
| Seagate Barracuda ST3160023A | 3139.00 |
| Seagate ST3120026A           | 2468.00 |
+------------------------------+---------+

250  SELECT surname, name, patronymic FROM users WHERE phone IS NULL;
+--------------------+------------------+----------------------+
| surname            | name             | patronymic           |
+--------------------+------------------+----------------------+
| Кузнецов           | Максим           | Валерьевич           |
| Нехорошев          | Анатолий         | Юрьевич              |
+--------------------+------------------+----------------------+

251  SELECT surname, name, patronymic FROM users WHERE url IS NOT NULL;
+------------------+--------------+--------------------------+
| surname          | name         | patronymic               |
+------------------+--------------+--------------------------+
| Симдянов         | Игорь        | Вячеславович             |
| Кузнецов         | Максим       | Валерьевич               |
+------------------+--------------+--------------------------+

252  SELECT name, price FROM products WHERE price BETWEEN 1000 AND 2000;
+------------------------------+---------+
| name                         | price   |
+------------------------------+---------+
| Celeron 1.8                  | 1595.00 |
| Celeron 2.0GHz               | 1969.00 |
| Celeron D 320 2.4GHz         | 1962.00 |
| Celeron D 315 2.26GHz        | 1880.00 |
| Gigabyte GA-8I848P-RS        | 1896.00 |
| ASUSTEK V9520X               | 1602.00 |
| DDR-400 256MB Kingston       | 1085.00 |
| DDR-400 256MB Hynix Original | 1179.00 |
| DDR-400 512MB Kingston       | 1932.00 |
| DDR-400 512MB PQI            | 1690.00 |
| DDR-400 512MB Hynix          | 1717.00 |
+------------------------------+---------+

252  SELECT name, price FROM products WHERE price NOT BETWEEN 1000 AND 2000;
+------------------------------+---------+
| name                         | price   |
+------------------------------+---------+
| Celeron 2.4GHz               | 2109.00 |
| Celeron D 325 2.53GHz        | 2747.00 |
| Intel Pentium 4 2.8GHz       | 7259.00 |
| Intel Pentium 4 3.0GHz       | 6147.00 |
| Intel Pentium 4 3.0GHz       | 5673.00 |
| Gigabyte GA-8IG1000          | 2420.00 |
| Gigabyte GA-8IPE1000G        | 2289.00 |
```

```
| Asustek P4C800-E Delux       | 5395.00 |
| Asustek P4P800-VM\L i865G    | 2518.00 |
| Epox EP-4PDA3I               | 2289.00 |
| ASUSTEK A9600XT/TD           | 5156.00 |
| SAPPHIRE 256MB RADEON 9550   | 2730.00 |
| GIGABYTE AGP GV-N59X128D     | 5886.00 |
| Maxtor 6Y120P0               | 2456.00 |
| Maxtor 6B200P0               | 3589.00 |
| Samsung SP0812C              | 2093.00 |
| Seagate Barracuda ST3160023A | 3139.00 |
| Seagate ST3120026A           | 2468.00 |
| DDR-400 256MB PQI            |  899.00 |
+------------------------------+---------+

339  SELECT id_user, surname FROM users ORDER BY id_user;
+---------+--------------------+
| id_user | surname            |
+---------+--------------------+
|       1 | Иванов             |
|       2 | Лосев              |
|       3 | Симдянов           |
|       4 | Кузнецов           |
|       5 | Нехорошев          |
|       6 | Корнеев            |
+---------+--------------------+

     Вывод первых букв фамилии покупателей
339  SELECT MID(surname,1,1) AS first_char FROM users GROUP BY first_char ORDER BY first_char;
+------------+
| first_char |
+------------+
| И          |
| К          |
| Л          |
| Н          |
| С          |
+------------+

342  SELECT id_product, REPLACE(name, 'Pentium 4', 'P IV') FROM products ORDER BY id_product LIMIT 10;
+------------+-------------------------------------+
| id_product | REPLACE(name, 'Pentium 4', 'P IV') |
+------------+-------------------------------------+
|          1 | Celeron 1.8                         |
|          2 | Celeron 2.0GHz                      |
|          3 | Celeron 2.4GHz                      |
|          4 | Celeron D 320 2.4GHz                |
|          5 | Celeron D 325 2.53GHz               |
|          6 | Celeron D 315 2.26GHz               |
|          7 | Intel P IV 2.8GHz                   |
|          8 | Intel P IV 3.0GHz                   |
|          9 | Intel P IV 3.0GHz                   |
|         10 | Gigabyte GA-8I848P-RS               |
+------------+-------------------------------------+

343  SELECT id_product, REPLACE(REPLACE(name, 'Pentium 4', 'P IV'), 'Celeron', 'Cel') AS res FROM products ORDER BY
id_product LIMIT 10;
+------------+-----------------------+
| id_product | res                   |
+------------+-----------------------+
|          1 | Cel 1.8               |
|          2 | Cel 2.0GHz            |
|          3 | Cel 2.4GHz            |
|          4 | Cel D 320 2.4GHz      |
|          5 | Cel D 325 2.53GHz     |
|          6 | Cel D 315 2.26GHz     |
|          7 | Intel P IV 2.8GHz     |
|          8 | Intel P IV 3.0GHz     |
|          9 | Intel P IV 3.0GHz     |
|         10 | Gigabyte GA-8I848P-RS |
+------------+-----------------------+

343  SELECT id_product, REPLACE(name, ' ', '') FROM products ORDER BY id_product LIMIT 10;
+------------+-------------------------+
| id_product | REPLACE(name, ' ', '') |
+------------+-------------------------+
|          1 | Celeron1.8              |
|          2 | Celeron2.0GHz           |
|          3 | Celeron2.4GHz           |
|          4 | CeleronD3202.4GHz       |
|          5 | CeleronD3252.53GHz      |
|          6 | CeleronD3152.26GHz      |
|          7 | IntelPentium42.8GHz     |
|          8 | IntelPentium43.0GHz     |
|          9 | IntelPentium43.0GHz     |
|         10 | GigabyteGA-8I848P-RS    |
+------------+-------------------------+


364  SELECT name FROM products WHERE name LIKE 'Celeron%';
+-----------------------+
| name                  |
+-----------------------+
| Celeron 1.8           |
| Celeron 2.0GHz        |
| Celeron 2.4GHz        |
| Celeron D 320 2.4GHz  |
```

```
| Celeron D 325 2.53GHz |
| Celeron D 315 2.26GHz |
+-----------------------+

365  SELECT name, price FROM products WHERE price LIKE '1___.00' ORDER BY price;
+------------------------------+---------+
| name                         | price   |
+------------------------------+---------+
| DDR-400 256MB Kingston       | 1085.00 |
| DDR-400 256MB Hynix Original | 1179.00 |
| Celeron 1.8                  | 1595.00 |
| ASUSTEK V9520X               | 1602.00 |
| DDR-400 512MB PQI            | 1690.00 |
| DDR-400 512MB Hynix          | 1717.00 |
| Celeron D 315 2.26GHz        | 1880.00 |
| Gigabyte GA-8I848P-RS        | 1896.00 |
| DDR-400 512MB Kingston       | 1932.00 |
| Celeron D 320 2.4GHz         | 1962.00 |
| Celeron 2.0GHz               | 1969.00 |
+------------------------------+---------+

366  SELECT name, price FROM products WHERE price NOT LIKE '1___.00' ORDER BY price;
+------------------------------+---------+
| name                         | price   |
+------------------------------+---------+
| DDR-400 256MB PQI            |  899.00 |
| Samsung SP0812C              | 2093.00 |
.................
| Intel Pentium 4 3.0GHz       | 6147.00 |
| Intel Pentium 4 2.8GHz       | 7259.00 |
+------------------------------+---------+

369  SELECT name FROM products WHERE name RLIKE 'GHZ$';
+-----------------------+
| name                  |
+-----------------------+
| Celeron 2.0GHz        |
| Celeron 2.4GHz        |
| Celeron D 320 2.4GHz  |
| Celeron D 325 2.53GHz |
| Celeron D 315 2.26GHz |
| Intel Pentium 4 2.8GHz |
| Intel Pentium 4 3.0GHz |
| Intel Pentium 4 3.0GHz |
+-----------------------+

371  SELECT name FROM products WHERE name RLIKE 'Pentium|Celeron';
+-----------------------+
| name                  |
+-----------------------+
| Celeron 1.8           |
| Celeron 2.0GHz        |
| Celeron 2.4GHz        |
| Celeron D 320 2.4GHz  |
| Celeron D 325 2.53GHz |
| Celeron D 315 2.26GHz |
| Intel Pentium 4 2.8GHz |
| Intel Pentium 4 3.0GHz |
| Intel Pentium 4 3.0GHz |
+-----------------------+

378  SELECT email FROM users WHERE email RLIKE '^[-0-9a-z_\\.]+@[-0-9a-z_\\.]+\\.[a-z]{2,6}$';
     SELECT email FROM users WHERE email RLIKE '^[a-z]+@[a-z]+\\.[a-z]{2,6}';
+----------------------+
| email                |
+----------------------+
| ivanov@email.ru      |
| losev@email.ru       |
| simdyanov@softtime.ru |
| korneev@domen.ru     |
+----------------------+

379  SELECT name, price
FROM products WHERE name RLIKE '^Celeron' AND price RLIKE '^19[[:digit:]]{2}\\.[[:digit:]]{2}';
+----------------------+---------+
| name                 | price   |
+----------------------+---------+
| Celeron 2.0GHz       | 1969.00 |
| Celeron D 320 2.4GHz | 1962.00 |
+----------------------+---------+

380  SELECT name, price
FROM products
WHERE
     name NOT RLIKE '^Asustek'
     AND
     name NOT RLIKE '^Gigabyte';
+------------------------------+---------+
| name                         | price   |
+------------------------------+---------+
| Celeron 1.8                  | 1595.00 |
| Celeron 2.0GHz               | 1969.00 |
| Celeron 2.4GHz               | 2109.00 |
| Celeron D 320 2.4GHz         | 1962.00 |
| Celeron D 325 2.53GHz        | 2747.00 |
| Celeron D 315 2.26GHz        | 1880.00 |
```

```
| Intel Pentium 4 2.8GHz        | 7259.00 |
| Intel Pentium 4 3.0GHz        | 6147.00 |
| Intel Pentium 4 3.0GHz        | 5673.00 |
| Epox EP-4PDA3I                | 2289.00 |
| SAPPHIRE 256MB RADEON 9550    | 2730.00 |
| Maxtor 6Y120P0                | 2456.00 |
| Maxtor 6B200P0                | 3589.00 |
| Samsung SP0812C               | 2093.00 |
| Seagate Barracuda ST3160023A  | 3139.00 |
| Seagate ST3120026A            | 2468.00 |
| DDR-400 256MB Kingston        | 1085.00 |
| DDR-400 256MB Hynix Original  | 1179.00 |
| DDR-400 256MB PQI             |  899.00 |
| DDR-400 512MB Kingston        | 1932.00 |
| DDR-400 512MB PQI             | 1690.00 |
| DDR-400 512MB Hynix           | 1717.00 |
+-------------------------------+---------+

384  SELECT name FROM products WHERE MATCH (name, description) AGAINST ('256MB');
+-------------------------------+
| name                          |
+-------------------------------+
| DDR-400 256MB PQI             |
| DDR-400 256MB Kingston        |
| DDR-400 256MB Hynix Original  |
| SAPPHIRE 256MB RADEON 9550    |
+-------------------------------+

385  SELECT name FROM products WHERE MATCH (name, description) AGAINST ('Процессор Pentium');
+------------------------+
| name                   |
+------------------------+
| Intel Pentium 4 2.8GHz |
| Intel Pentium 4 3.0GHz |
| Intel Pentium 4 3.0GHz |
| Celeron 1.8            |
| Celeron 2.0GHz         |
| Celeron 2.4GHz         |
| Celeron D 320 2.4GHz   |
| Celeron D 325 2.53GHz  |
| Celeron D 315 2.26GHz  |
+------------------------+

387  SELECT name FROM products WHERE MATCH (name, description) AGAINST ('Процессор')
                               AND MATCH (name, description) AGAINST ('Pentium');
+------------------------+
| name                   |
+------------------------+
| Intel Pentium 4 2.8GHz |
| Intel Pentium 4 3.0GHz |
| Intel Pentium 4 3.0GHz |
+------------------------+

388  SELECT name FROM products WHERE MATCH (name, description) AGAINST ('Процессор +Pentium' IN BOOLEAN MODE);
+------------------------+
| name                   |
+------------------------+
| Intel Pentium 4 2.8GHz |
| Intel Pentium 4 3.0GHz |
| Intel Pentium 4 3.0GHz |
+------------------------+

389  SELECT name FROM products WHERE MATCH (name, description) AGAINST ('Процессор -Pentium' IN BOOLEAN MODE);
+-----------------------+
| name                  |
+-----------------------+
| Celeron 1.8           |
| Celeron 2.0GHz        |
| Celeron 2.4GHz        |
| Celeron D 320 2.4GHz  |
| Celeron D 325 2.53GHz |
| Celeron D 315 2.26GHz |
+-----------------------+

390  SELECT description FROM products WHERE MATCH (name, description) AGAINST ('Celeron Pentium' IN BOOLEAN MODE);
+-------------------------------------------------------------------------------------------+
| description                                                                               |
+-------------------------------------------------------------------------------------------+
| Процессор Celeron 1.8GHz, 128kb, 478-PGA, 400Mhz, OEM 0.18                                |
| Процессор Celeron 2.0GHz, 128KB, 478-PGA, 400MHz, OEM                                     |
| Процессор Celeron 2.4GHz, 128kb, 478-PGA, 400Mhz, OEM                                     |
| Процессор Celeron D 320 2.4GHz, 256kb, 478-PGA, 533Mhz, OEM                               |
| Процессор Celeron D 325 2.53GHz, 256kb, 478-PGA, 533Mhz, OEM                              |
| Процессор Celeron D 315 2.26GHz, 256kb, 478-PGA, 533Mhz, OEM                              |
| Процессор Intel Pentium 4 3.2GHz, 1Mb, 478-PGA, 800Mhz, Hyper-Threading, OEM              |
| Процессор Intel Pentium 4 3.0GHz, 512Kb, 478-PGA, 800Mhz, Hyper-Threading, OEM            |
| Процессор Intel Pentium 4 3.0GHz, 1Mb, 478-PGA, 800Mhz, Hyper-Treading, OEM               |
+-------------------------------------------------------------------------------------------+

391  SELECT name FROM products WHERE MATCH (name, description) AGAINST ('Процессор (>Celeron <Pentium)' IN BOOLEAN
MODE);
+------------------------+
| name                   |
+------------------------+
| Celeron 1.8            |
| Celeron 2.0GHz         |
```

```
| Celeron 2.4GHz         |
| Celeron D 320 2.4GHz   |
| Celeron D 325 2.53GHz  |
| Celeron D 315 2.26GHz  |
| Intel Pentium 4 2.8GHz |
| Intel Pentium 4 3.0GHz |
| Intel Pentium 4 3.0GHz |
+------------------------+


394  SELECT description FROM products WHERE MATCH (name, description) AGAINST ('"Процессор Celeron"' IN BOOLEAN MODE);
+-------------------------------------------------------------------------+
| description                                                             |
+-------------------------------------------------------------------------+
| Процессор Celeron 1.8GHz, 128kb, 478-PGA, 400Mhz, OEM 0.18              |
| Процессор Celeron 2.0GHz, 128KB, 478-PGA, 400MHz, OEM                   |
| Процессор Celeron 2.4GHz, 128kb, 478-PGA, 400Mhz, OEM                   |
| Процессор Celeron D 320 2.4GHz, 256kb, 478-PGA, 533Mhz, OEM             |
| Процессор Celeron D 325 2.53GHz, 256kb, 478-PGA, 533Mhz, OEM            |
| Процессор Celeron D 315 2.26GHz, 256kb, 478-PGA, 533Mhz, OEM            |
+-------------------------------------------------------------------------+

395  SELECT name FROM products WHERE MATCH (name, description) AGAINST ('Celeron');
+------------------------+
| name                   |
+------------------------+
| Celeron 1.8            |
| Celeron 2.0GHz         |
| Celeron 2.4GHz         |
| Celeron D 320 2.4GHz   |
| Celeron D 325 2.53GHz  |
| Celeron D 315 2.26GHz  |
+------------------------+

     Функции применяемые вместе с конструкцией GROUP BY
403  SELECT COUNT(id_user), COUNT(email), COUNT(url) FROM users;
+----------------+--------------+------------+
| COUNT(id_user) | COUNT(email) | COUNT(url) |
+----------------+--------------+------------+
|              6 |            5 |          2 |
+----------------+--------------+------------+

404  SELECT COUNT(*) FROM products WHERE price < 2000;
+----------+
| COUNT(*) |
+----------+
|       12 |
+----------+

подсчёт товарных позиций в каждом из каталогов
405  SELECT id_catalog, COUNT(*) AS total FROM products GROUP BY id_catalog ORDER BY total DESC;
+------------+-------+
| id_catalog | total |
+------------+-------+
|          1 |     9 |
|          2 |     6 |
|          5 |     6 |
|          4 |     5 |
|          3 |     4 |
+------------+-------+

405  SELECT COUNT(id_product), COUNT(DISTINCT id_product) FROM orders;
+-------------------+----------------------------+
| COUNT(id_product) | COUNT(DISTINCT id_product) |
+-------------------+----------------------------+
|                 5 |                          3 |
+-------------------+----------------------------+

406  SELECT GROUP_CONCAT(id_catalog) FROM catalogs;
+--------------------------+
| GROUP_CONCAT(id_catalog) |
+--------------------------+
| 1,2,3,4,5,6              |
+--------------------------+

406  SELECT GROUP_CONCAT(DISTINCT id_product SEPARATOR '-') FROM orders;
+-------------------------------------------------+
| GROUP_CONCAT(DISTINCT id_product SEPARATOR '-') |
+-------------------------------------------------+
| 8-10-20                                         |
+-------------------------------------------------+

407  SELECT GROUP_CONCAT(DISTINCT id_product ORDER BY id_product DESC SEPARATOR '-') AS str
     FROM orders;
+---------+
| str     |
+---------+
| 20-10-8 |
+---------+

407  SELECT GROUP_CONCAT(price ORDER BY id_product DESC) AS str FROM products GROUP BY id_catalog;
+-------------------------------------------------------------------------+
| str                                                                     |
+-------------------------------------------------------------------------+
| 5673.00,6147.00,7259.00,1880.00,2747.00,1962.00,2109.00,1969.00,1595.00 |
| 2289.00,2518.00,5395.00,2289.00,2420.00,1896.00                         |
```

```
| 5886.00,2730.00,1602.00,5156.00                                              |
| 2468.00,3139.00,2093.00,3589.00,2456.00                                      |
| 1717.00,1690.00,1932.00,899.00,1179.00,1085.00                               |
+------------------------------------------------------------------------------+

408  SELECT MIN(price) FROM products;
+------------+
| MIN(price) |
+------------+
|     899.00 |
+------------+

408  SELECT id_catalog, MIN(price) FROM products GROUP BY id_catalog;
+------------+------------+
| id_catalog | MIN(price) |
+------------+------------+
|          1 |    1595.00 |
|          2 |    1896.00 |
|          3 |    1602.00 |
|          4 |    2093.00 |
|          5 |     899.00 |
+------------+------------+

409  SELECT MIN(name) FROM products;
+--------------------+
| MIN(name)          |
+--------------------+
| ASUSTEK A9600XT/TD |
+--------------------+

412  SELECT SUM(price) FROM products;
+------------+
| SUM(price) |
+------------+
|   85769.00 |
+------------+

412  SELECT id_catalog, SUM(price) FROM products GROUP BY id_catalog;
+------------+------------+
| id_catalog | SUM(price) |
+------------+------------+
|          1 |   31341.00 |
|          2 |   16807.00 |
|          3 |   15374.00 |
|          4 |   13745.00 |
|          5 |    8502.00 |
+------------+------------+

413  SELECT id_catalog, SUM(price) FROM products GROUP BY id_catalog WITH ROLLUP;
+------------+------------+
| id_catalog | SUM(price) |
+------------+------------+
|          1 |   31341.00 |
|          2 |   16807.00 |
|          3 |   15374.00 |
|          4 |   13745.00 |
|          5 |    8502.00 |
|       NULL |   85769.00 |
+------------+------------+

414  SELECT id_catalog, count, SUM(price)
     FROM products GROUP BY id_catalog, count WITH ROLLUP;
+------------+-------+------------+
| id_catalog | count | SUM(price) |
+------------+-------+------------+
|          1 |     1 |    8109.00 |
|          1 |     2 |    1969.00 |
|          1 |     4 |    2109.00 |
|          1 |     5 |    7259.00 |
|          1 |     6 |    4627.00 |
|          1 |    10 |    1595.00 |
|          1 |    12 |    5673.00 |
|          1 |  NULL |   31341.00 |
|          2 |     2 |    2420.00 |
|          2 |     4 |    7291.00 |
|          2 |     5 |    2289.00 |
|          2 |     6 |    4807.00 |
|          2 |  NULL |   16807.00 |
|          3 |     0 |    5156.00 |
|          3 |     3 |    2730.00 |
|          3 |     6 |    7488.00 |
|          3 |  NULL |   15374.00 |
|          4 |     3 |    3139.00 |
|          4 |     4 |    3589.00 |
|          4 |     5 |    2093.00 |
|          4 |     6 |    2456.00 |
|          4 |     8 |    2468.00 |
|          4 |  NULL |   13745.00 |
|          5 |     8 |    1717.00 |
|          5 |    10 |     899.00 |
|          5 |    12 |    1690.00 |
|          5 |    15 |    1179.00 |
|          5 |    20 |    3017.00 |
|          5 |  NULL |    8502.00 |
|       NULL |  NULL |   85769.00 |
+------------+-------+------------+
```

```
416  SELECT id_catalog, count, SUM(price) FROM products GROUP BY count, id_catalog WITH ROLLUP LIMIT 5;
+------------+-------+------------+
| id_catalog | count | SUM(price) |
+------------+-------+------------+
|          3 |     0 |    5156.00 |
|       NULL |     0 |    5156.00 |
|          1 |     1 |    8109.00 |
|       NULL |     1 |    8109.00 |
|          1 |     2 |    1969.00 |
+------------+-------+------------+

419  SELECT name, count, IF(count>5,'Достаточно','Заканчивается') AS status FROM products LIMIT 10;
+-----------------------+-------+---------------------------+
| name                  | count | status                    |
+-----------------------+-------+---------------------------+
| Celeron 1.8           |    10 | Достаточно                |
| Celeron 2.0GHz        |     2 | Заканчивается             |
| Celeron 2.4GHz        |     4 | Заканчивается             |
| Celeron D 320 2.4GHz  |     1 | Заканчивается             |
| Celeron D 325 2.53GHz |     6 | Достаточно                |
| Celeron D 315 2.26GHz |     6 | Достаточно                |
| Intel Pentium 4 2.8GHz |     5 | Заканчивается             |
| Intel Pentium 4 3.0GHz |     1 | Заканчивается             |
| Intel Pentium 4 3.0GHz |    12 | Достаточно                |
| Gigabyte GA-8I848P-RS |     4 | Заканчивается             |
+-----------------------+-------+---------------------------+

421  SELECT IFNULL(phone,'отсутствует') AS phone, IFNULL(email,'отсутствует') AS email, IFNULL(url,'отсутствует') AS
url
     FROM users;
+-----------------------+-----------------------+-------------------------+
| phone                 | email                 | url                     |
+-----------------------+-----------------------+-------------------------+
| 58-98-78              | ivanov@email.ru       | отсутствует             |
| 9057777777            | losev@email.ru        | отсутствует             |
| 9056666100            | simdyanov@softtime.ru | http://www.softtime.ru/ |
| отсутствует           | kuznetsov@softtimeru  | http://www.softtime.ru  |
| отсутствует           | отсутствует           | отсутствует             |
| 89-78-36              | korneev@domen.ru      | отсутствует             |
+-----------------------+-----------------------+-------------------------+

447  SELECT name, price
     FROM products
     WHERE id_catalog = (SELECT id_catalog FROM catalogs WHERE name = 'Процессоры')
     ORDER BY price;
+-----------------------+---------+
| name                  | price   |
+-----------------------+---------+
| Celeron 1.8           | 1595.00 |
| Celeron D 315 2.26GHz | 1880.00 |
| Celeron D 320 2.4GHz  | 1962.00 |
| Celeron 2.0GHz        | 1969.00 |
| Celeron 2.4GHz        | 2109.00 |
| Celeron D 325 2.53GHz | 2747.00 |
| Intel Pentium 4 3.0GHz | 5673.00 |
| Intel Pentium 4 3.0GHz | 6147.00 |
| Intel Pentium 4 2.8GHz | 7259.00 |
+-----------------------+---------+

448  SELECT products.name, products.price
     FROM catalogs, products
     WHERE catalogs.id_catalog = products.id_catalog
       AND catalogs.name = 'Процессоры'
     ORDER BY price;
+-----------------------+---------+
| name                  | price   |
+-----------------------+---------+
| Celeron 1.8           | 1595.00 |
| Celeron D 315 2.26GHz | 1880.00 |
| Celeron D 320 2.4GHz  | 1962.00 |
| Celeron 2.0GHz        | 1969.00 |
| Celeron 2.4GHz        | 2109.00 |
| Celeron D 325 2.53GHz | 2747.00 |
| Intel Pentium 4 3.0GHz | 5673.00 |
| Intel Pentium 4 3.0GHz | 6147.00 |
| Intel Pentium 4 2.8GHz | 7259.00 |
+-----------------------+---------+

449  SELECT name
     FROM catalogs
     WHERE id_catalog = (SELECT id_catalog FROM products WHERE price = (SELECT MAX(price) FROM products));
+----------------------+
| name                 |
+----------------------+
| Процессоры           |
+----------------------+

450  SELECT id_catalog, (SELECT MAX(price) FROM products) FROM catalogs;
+------------+-----------------------------------+
| id_catalog | (SELECT MAX(price) FROM products) |
+------------+-----------------------------------+
|          1 |                           7259.00 |
|          2 |                           7259.00 |
|          3 |                           7259.00 |
|          4 |                           7259.00 |
```

```
|          5 |                           7259.00 |
|          6 |                           7259.00 |
+------------+-----------------------------------+

455  SELECT name, surname
     FROM users WHERE id_user = ANY (SELECT id_user FROM orders);
+--------------------+------------------+
| name               | surname          |
+--------------------+------------------+
| Александр          | Иванов           |
| Игорь              | Симдянов         |
| Александр          | Корнеев          |
+--------------------+------------------+

456  SELECT name, surname
     FROM users WHERE id_user <> ANY (SELECT id_user FROM orders);
+--------------------+--------------------+
| name               | surname            |
+--------------------+--------------------+
| Александр          | Иванов             |
| Сергей             | Лосев              |
| Игорь              | Симдянов           |
| Максим             | Кузнецов           |
| Анатолий           | Нехорошев          |
| Александр          | Корнеев            |
+--------------------+--------------------+

457  SELECT name, price
     FROM products WHERE price > ALL (SELECT AVG(price) FROM products GROUP BY id_catalog);
+--------------------------+---------+
| name                     | price   |
+--------------------------+---------+
| Intel Pentium 4 2.8GHz   | 7259.00 |
| Intel Pentium 4 3.0GHz   | 6147.00 |
| Intel Pentium 4 3.0GHz   | 5673.00 |
| Asustek P4C800-E Delux   | 5395.00 |
| ASUSTEK A9600XT/TD       | 5156.00 |
| GIGABYTE AGP GV-N59X128D | 5886.00 |
+--------------------------+---------+

     Среднее значение
457  SELECT AVG(price)
     FROM products GROUP BY id_catalog;
+-------------+
| AVG(price)  |
+-------------+
| 3482.333333 |
| 2801.166667 |
| 3843.500000 |
| 2749.000000 |
| 1417.000000 |
+-------------+

458  SELECT id_product, name, price
     FROM products WHERE EXISTS (SELECT * FROM orders WHERE orders.id_product = products.id_product);
+------------+------------------------+---------+
| id_product | name                   | price   |
+------------+------------------------+---------+
|          8 | Intel Pentium 4 3.0GHz | 6147.00 |
|         10 | Gigabyte GA-8I848P-RS  | 1896.00 |
|         20 | Maxtor 6Y120P0         | 2456.00 |
+------------+------------------------+---------+

459  SELECT id_product, name, price
     FROM products WHERE EXISTS (SELECT 7 FROM orders WHERE orders.id_product = products.id_product);
+------------+------------------------+---------+
| id_product | name                   | price   |
+------------+------------------------+---------+
|          8 | Intel Pentium 4 3.0GHz | 6147.00 |
|         10 | Gigabyte GA-8I848P-RS  | 1896.00 |
|         20 | Maxtor 6Y120P0         | 2456.00 |
+------------+------------------------+---------+

460  SELECT name, surname
     FROM users WHERE EXISTS (SELECT * FROM orders WHERE orders.id_user = users.id_user);
+--------------------+------------------+
| name               | surname          |
+--------------------+------------------+
| Александр          | Иванов           |
| Игорь              | Симдянов         |
| Александр          | Корнеев          |
+--------------------+------------------+

460  SELECT name, surname
     FROM users WHERE NOT EXISTS (SELECT * FROM orders WHERE orders.id_user = users.id_user);
+------------------+--------------------+
| name             | surname            |
+------------------+--------------------+
| Сергей           | Лосев              |
| Максим           | Кузнецов           |
| Анатолий         | Нехорошев          |
+------------------+--------------------+

461  SELECT name, count
     FROM products WHERE count = (SELECT SUM(count) FROM orders WHERE orders.id_product = products.id_product);
+------------------------+-------+
```

```
| name                    | count |
+-------------------------+-------+
| Intel Pentium 4 3.0GHz |     1 |
| Gigabyte GA-8I848P-RS  |     4 |
+-------------------------+-------+

462  SELECT name, price, count, mark
     FROM products WHERE ROW(6,4) = (count,mark);
+---------------------------+---------+-------+------+
| name                      | price   | count | mark |
+---------------------------+---------+-------+------+
| Asustek P4P800-VM\L i865G | 2518.00 |     6 |  4.0 |
| ASUSTEK V9520X            | 1602.00 |     6 |  4.0 |
+---------------------------+---------+-------+------+

462  SELECT name, price, count, mark
     FROM products WHERE count = 5 AND mark =4;
+-----------------+---------+-------+------+
| name            | price   | count | mark |
+-----------------+---------+-------+------+
| Epox EP-4PDA3I  | 2289.00 |     5 |  4.0 |
| Samsung SP0812C | 2093.00 |     5 |  4.0 |
+-----------------+---------+-------+------+

463  SELECT ordertime
     FROM orders
     WHERE (id_user, id_product)
     IN (SELECT users.id_user, products.id_product FROM users, products WHERE products.price > 1000 AND users.status
='gold');
+---------------------+
| ordertime           |
+---------------------+
| 2005-02-10 09:40:29 |
+---------------------+

464  SELECT usr.surname, usr.name, orders.ordertime
     FROM orders, (SELECT * FROM users) AS usr
     WHERE orders.id_user = usr.id_user;
+------------------+--------------------+---------------------+
| surname          | name               | ordertime           |
+------------------+--------------------+---------------------+
| Иванов           | Александр          | 2005-02-18 13:41:05 |
| Симдянов         | Игорь              | 2005-01-04 10:39:38 |
| Симдянов         | Игорь              | 2005-03-10 18:20:00 |
| Симдянов         | Игорь              | 2005-03-17 19:15:36 |
| Корнеев          | Александр          | 2005-02-10 09:40:29 |
+------------------+--------------------+---------------------+

464  SELECT    users.name, goods.productname, goods.catalogname
     FROM orders,
     (
          SELECT id_user,
          CONCAT (surname, " ", SUBSTRING(name,1,1), ".",
          SUBSTRING(patronymic,1,1), ".") AS name
          FROM users
          ) AS users,
          (SELECT products.id_product AS id_product,
               products.name AS productname,
               catalogs.name AS catalogname
          FROM products, catalogs
          WHERE products.id_catalog = catalogs.id_catalog
          ) AS goods
     WHERE orders.id_user = users.id_user AND
          orders.id_product = goods.id_product;
+-------------------------+-----------------------+-----------------------------------+
| name                    | productname           | catalogname                       |
+-------------------------+-----------------------+-----------------------------------+
| Симдянов И.В.           | Intel Pentium 4 3.0GHz | Процессоры                        |
| Корнеев А.А.            | Gigabyte GA-8I848P-RS  | Материнские платы                 |
| Иванов А.В.             | Maxtor 6Y120P0         | Жёсткие диски                     |
| Симдянов И.В.           | Maxtor 6Y120P0         | Жёсткие диски                     |
| Симдянов И.В.           | Maxtor 6Y120P0         | Жёсткие диски                     |
+-------------------------+-----------------------+-----------------------------------+

466  SELECT id_catalog, SUM(count)
     FROM products GROUP BY id_catalog;
+------------+------------+
| id_catalog | SUM(count) |
+------------+------------+
|          1 |         47 |
|          2 |         27 |
|          3 |         15 |
|          4 |         26 |
|          5 |         85 |
+------------+------------+

474  SELECT id_product, id_catalog, name
     FROM products WHERE id_catalog = 4;
+------------+------------+-----------------------------+
| id_product | id_catalog | name                        |
+------------+------------+-----------------------------+
|         20 |          4 | Maxtor 6Y120P0              |
|         21 |          4 | Maxtor 6B200P0              |
|         22 |          4 | Samsung SP0812C             |
|         23 |          4 | Seagate Barracuda ST3160023A |
|         24 |          4 | Seagate ST3120026A          |
```

```
+------------+------------+-----------------------------+

480  SELECT id_order, surname
     FROM orders, users WHERE orders.id_user = users.id_user;
+----------+------------------+
| id_order | surname          |
+----------+------------------+
|        1 | Симдянов         |
|        2 | Корнеев          |
|        3 | Иванов           |
|        4 | Симдянов         |
|        5 | Симдянов         |
+----------+------------------+
```