

N 1 (1) Ok ▾

Exercise: 1 (Serge I: 2002-09-30)

Find the model number, speed and hard drive capacity for all the PCs with prices below \$500.
Result set: model, speed, hd.

- Help topics:
[Simple SELECT statement](#)
- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.



Type a query:

```
SELECT model,speed,hd FROM pc  
WHERE price < 500
```

cls

max

N 2 (1) Ok ▾

Exercise: 2 (Serge I: 2002-09-21)

List all printer makers. Result set: maker.

- Help topics:
[Simple SELECT statement](#)

- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.



Type a query:

```
SELECT DISTINCT maker FROM Product
WHERE type='printer'
```

cls

max

Run (Ctrl+Enter)

Tab≡Ctrl+Shift+space ☐ Without checking

Show correct result

N 3 (1) Ok ▾

Exercise: 3 (Serge I: 2002-09-30)

Find the model number, RAM and screen size of the laptops with prices over \$1000.

- Help topics:
[Simple SELECT statement](#)
- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.



Type a query:

```
SELECT model,ram,screen FROM laptop
WHERE price > '1000'
```

cls

max

Run (Ctrl+Enter)

Tab≡Ctrl+Shift+space ☐ Without checking

Show correct result

N 4 (1) Ok ▾

Exercise: 4 (Serge I: 2002-09-21)

Find all records from the Printer table containing data about color printers.

- Help topics:
[Simple SELECT statement](#)
- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.



Type a query:

```
SELECT ALL * From printer  
WHERE color='y'
```

cls

max

Run (Ctrl+Enter)

Tab≡Ctrl+Shift+space ☐ Without checking

Show correct result

N 5 (1) Ok ▾

Exercise: 5 (Serge I: 2002-09-30)

Find the model number, speed and hard drive capacity of PCs cheaper than \$600 having a 12x or a 24x CD drive.

- Help topics:
 - Simple SELECT statement
 - Predicates (part I)

- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.



Type a query:

```
SELECT model,speed,hd FROM Pc
WHERE cd IN ('12x','24x') AND price < 600
```

cls

max

Run (Ctrl+Enter)

Tab≡Ctrl+Shift+space ☐ Without checking

Show correct result

N 6 (2) Ok ▾

Exercise: 6 (Serge I: 2002-10-28)

For each maker producing laptops with a hard drive capacity of 10 Gb or higher, find the speed of such laptops. Result set: maker, speed.

- Help topics:
 - Simple SELECT statement
 - Explicit join operations
- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.



Type a query:

```
SELECT DISTINCT maker,speed
FROM PRODUCT INNER JOIN LAPTOP ON laptop.model = product.model
WHERE hd>=10
```

cls

max

Run (Ctrl+Enter)

Tab≡Ctrl+Shift+space ☐ Without checking

Show correct result

N 7 (2) Ok ▾

Exercise: 7 (Serge I: 2002-11-02)

Get the models and prices for all commercially available products (of any type) produced by maker B.

- Help topics:
[UNION](#)
[Explicit join operations](#)
- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.

**Type a query:**

```
SELECT p.model, price FROM pc JOIN Product p ON PC.model=p.model WHERE maker='B'  
UNION  
SELECT p.model, price FROM printer pr JOIN Product p ON pr.model=p.model WHERE  
maker='B'  
UNION  
SELECT p.model, price FROM laptop lp JOIN Product p ON lp.model=p.model WHERE  
maker='B'
```

cls

max

Run (Ctrl+Enter)

Tab≡Ctrl+Shift+space ☐ Without checking

Show correct result

N 8 (2) Ok ▾

Exercise: 8 (Serge I: 2003-02-03)

Find the makers producing PCs but not laptops.

- Help topics:
[Intersect and Except](#)
[IN predicate](#)
- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.



Type a query:

```
SELECT maker
FROM PRODUCT
WHERE TYPE IN ('PC')
EXCEPT
SELECT maker FROM product
WHERE TYPE IN ('laptop')
```

cls

max

Run (Ctrl+Enter)

Tab≡Ctrl+Shift+space ☐ Without checking

Show correct result

N 9 (1) Ok ▾

Exercise: 9 (Serge I: 2002-11-02)

Find the makers of PCs with a processor speed of 450 MHz or more. Result set: maker.

- Help topics:
 - Explicit join operations
 - Simple SELECT statement
- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.

**Type a query:**

```
SELECT DISTINCT maker FROM Product INNER JOIN PC ON PC.model=product.model  
WHERE speed >=450
```

cls

max

Run (Ctrl+Enter)

Tab≡Ctrl+Shift+space ☐ Without checking

Show correct result

N 10 (1) Ok ▼

Exercise: 10 (Serge I: 2002-09-23)

Find the printer models having the highest price. Result set: model, price.

- Help topics:
 - [Subqueries](#)
 - [Getting summarizing values](#)
- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.



Type a query:

```
SELECT DISTINCT model, price
FROM Printer
WHERE price = (SELECT MAX(price)
FROM Printer
)
```

cls

max

Run (Ctrl+Enter)

Tab≡Ctrl+Shift+space



Without checking

Show correct result

N 11 (1) Ok ▾

Exercise: 11 (Serge I: 2002-11-02)

Find out the average speed of PCs.

- Help topics:
[Getting summarizing values](#)
- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.



Type a query:

```
SELECT (SELECT AVG(speed)
FROM PC AS Avg_speed
)
```

cls

max

Run (Ctrl+Enter)

Tab≡Ctrl+Shift+space



Without checking

Show correct result

N 12 (1) Ok ▾

Exercise: 12 (Serge I: 2002-11-02)

Find out the average speed of the laptops priced over \$1000.

- Help topics:
Getting summarizing values
- Discuss the exercise on [forum](#).
- Analyze [execution plan](#) of Your solution.



Type a query:

```
SELECT AVG(speed) AS Avg_speed
FROM Laptop
WHERE price > 1000
```

cls

max

Run (Ctrl+Enter)

Tab≡Ctrl+Shift+space ☐ Without checking

Show correct result