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1. Cache Studio

Cache Studio – , Cache-

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, CSP – , ,

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Cache Studio ,

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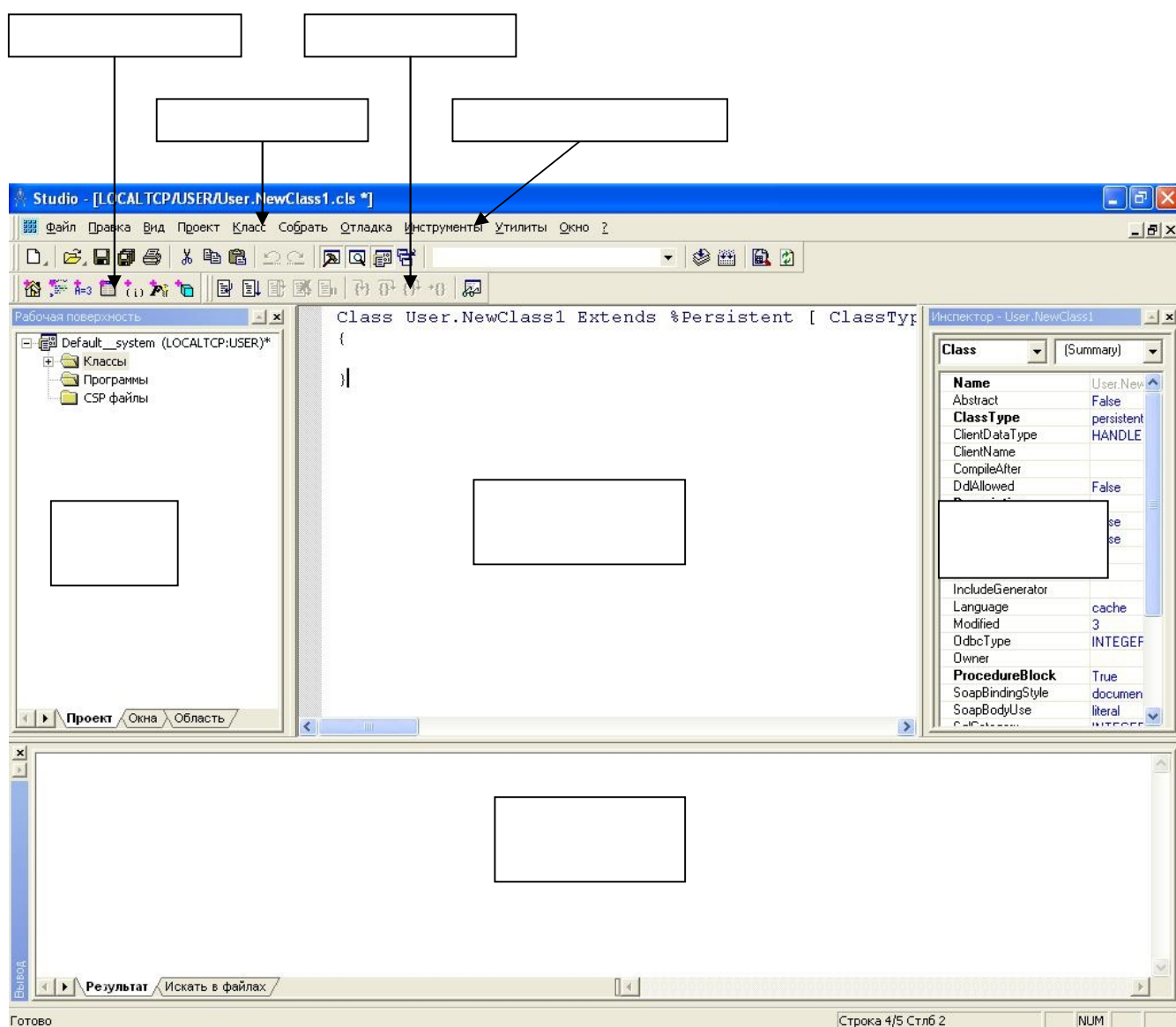
.

. Cache Studio

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.





2 –

Cache Studio.

2.

For, While, Do/While

For:***For** <for parameter> {code}****{code}***

,

<for parameter>.

,

«For»

«For» Cache

:

•

For level=<value> [, <value>...] {code}

•

For level=<num value> : <num value> : <num value> {code}

•

For level=<num value> : <num value> {code}

Quit.

•

For {code} // «For»!

:

•

()

•

•

(,)

«For»

While Do/While

:

While <value> [, <value>...] {code}

Do {code} *While* <value> [, <value>...]

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Do/While

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While.

3.

Cache ObjectScript

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Cache

ObjectScript

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Cache

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:

x(1990,"

",23)=

"

X

,

.

,

,

Cache

:

•

.

Set

.

•

,

.

;

,

 $y(2,7)$

-

,

 $y(2,4).$

,

 $\wedge -$

()

.

,

.

:

^OTD.Tovar(123000,50,"")=4**1.**

,

,

3.2 3.3

PDF.

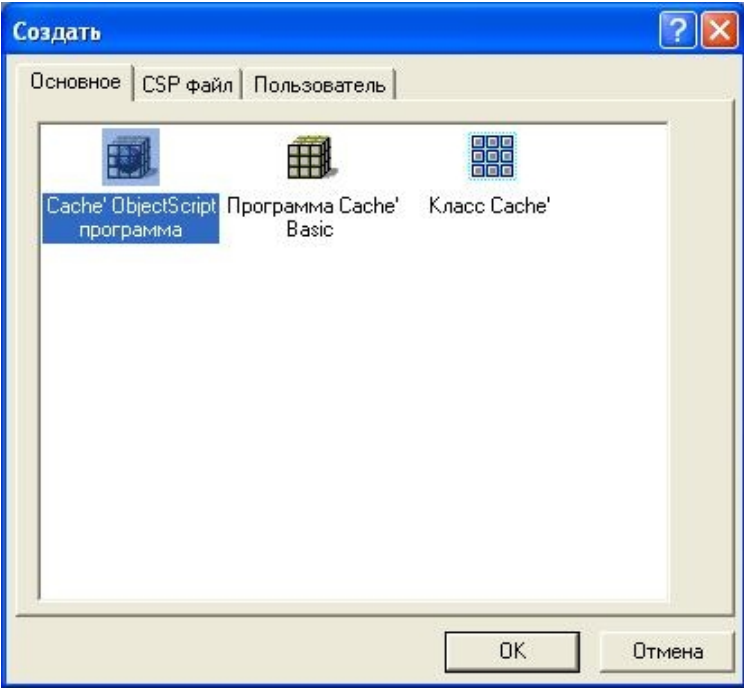
2.

Cache-

Cache Studio,

. .

3.



3 – Cache Object Script.

3. , , :

- ^Medizine:
1 – .

	65		125/60	36,6
	50			
	27		110/80	38,6
	45			36,6
	34		115/85	
	60		100/80	39,3
	71		140/60	36,9
	65			

, :

Programm1

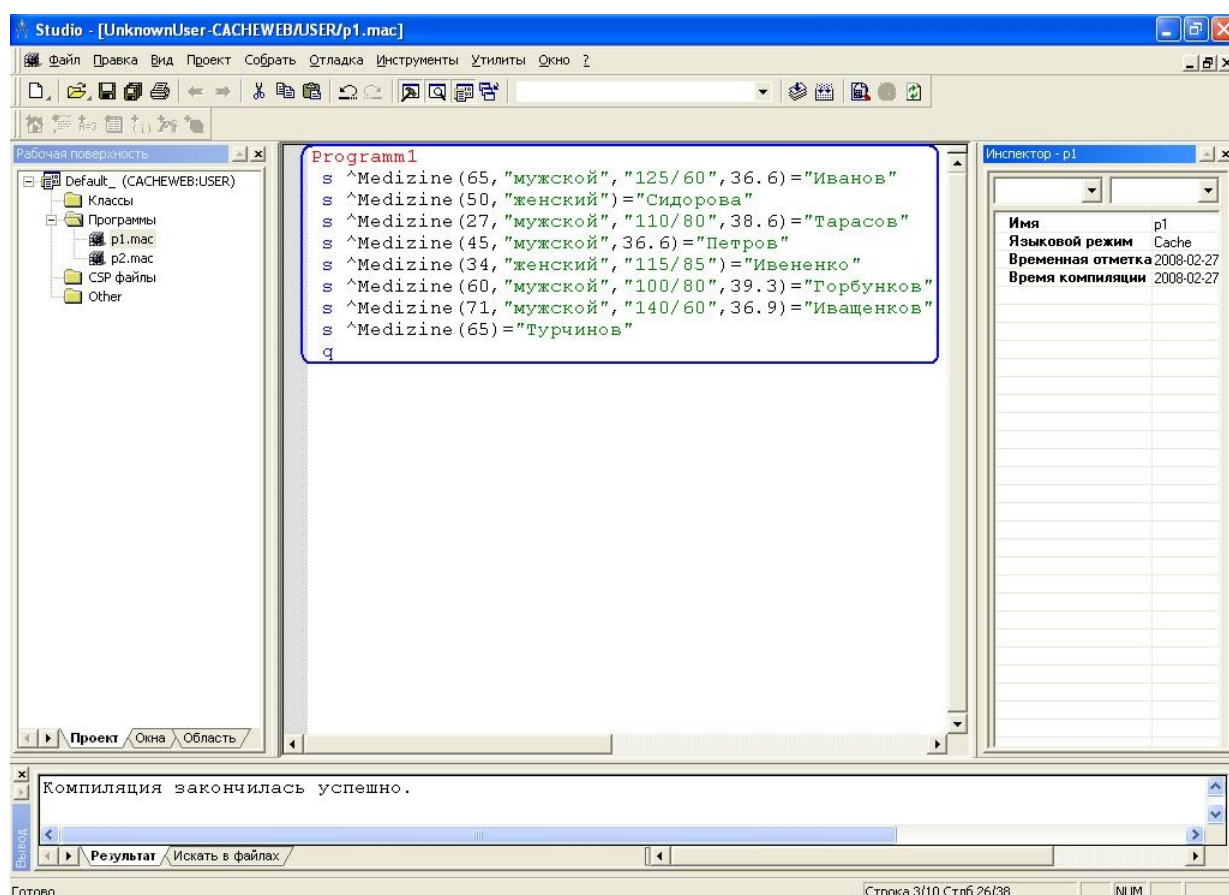
```
s ^Medizine (65, "мужской", "125/60", 36.6) = "Иванов"
s ^Medizine (50, "женский") = "Сидорова"
s ^Medizine (27, "мужской", "110/80", 38.6) = "Тарасов"
s ^Medizine (45, "мужской", 36.6) = "Петров"
s ^Medizine (34, "женский", "115/85") = "Ивененко"
s ^Medizine (60, "мужской", "100/80", 39.3) = "Горбунков"
s ^Medizine (71, "мужской", "140/60", 36.9) = "Иващенко"
s ^Medizine (65) = "Турчинов"
q
```

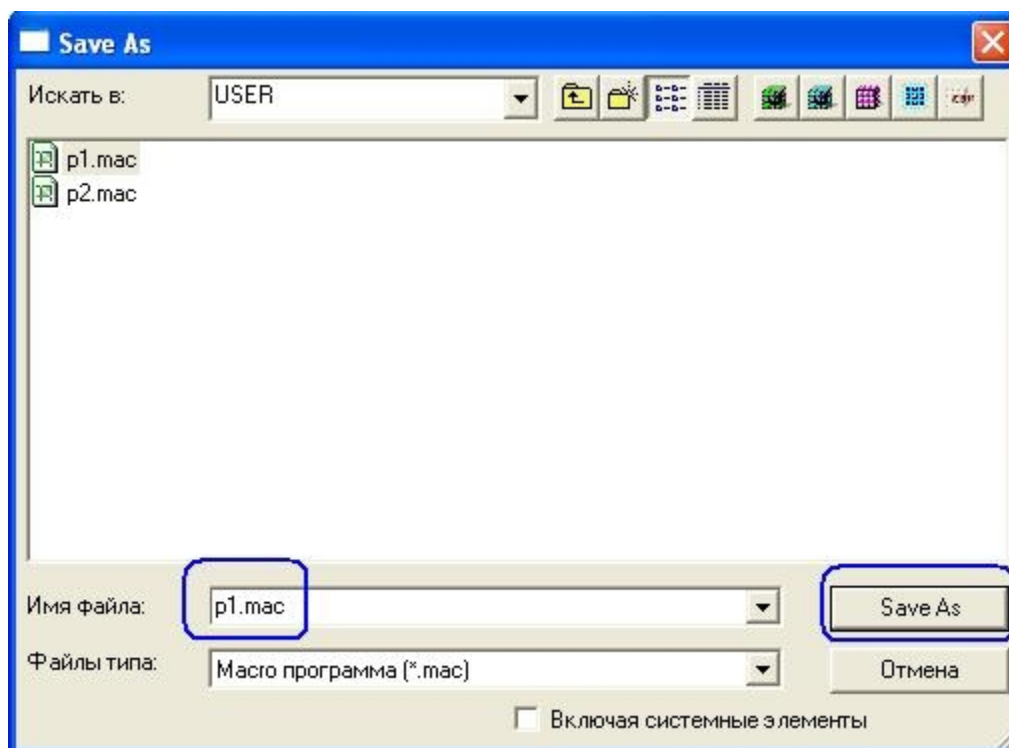
, 4,

Ctrl+F7.

, - !

, . 5.





5 –

Cache- . . 6.

« » ,

«do», ,

«^» , .

«Enter».



6 –

«

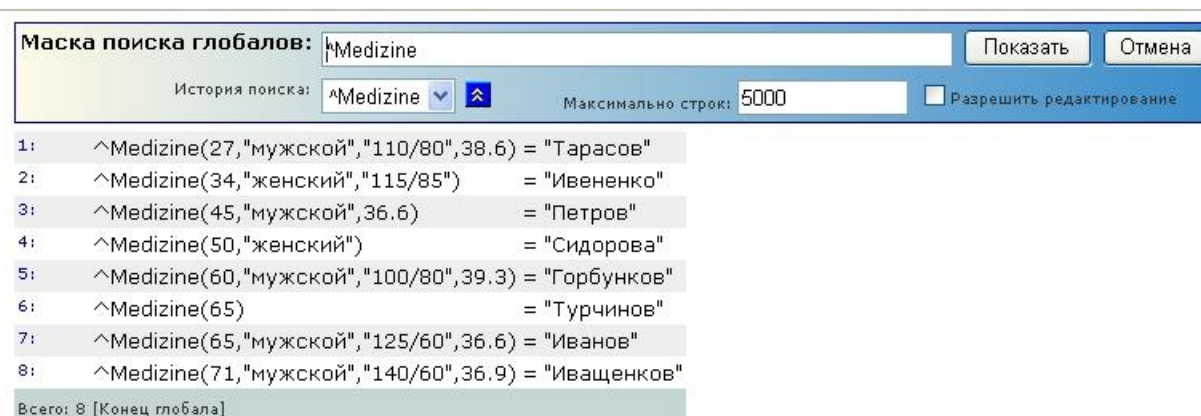
».

,

^Medizine.

:

Просмотр глобала в области USER:



7 –

User.

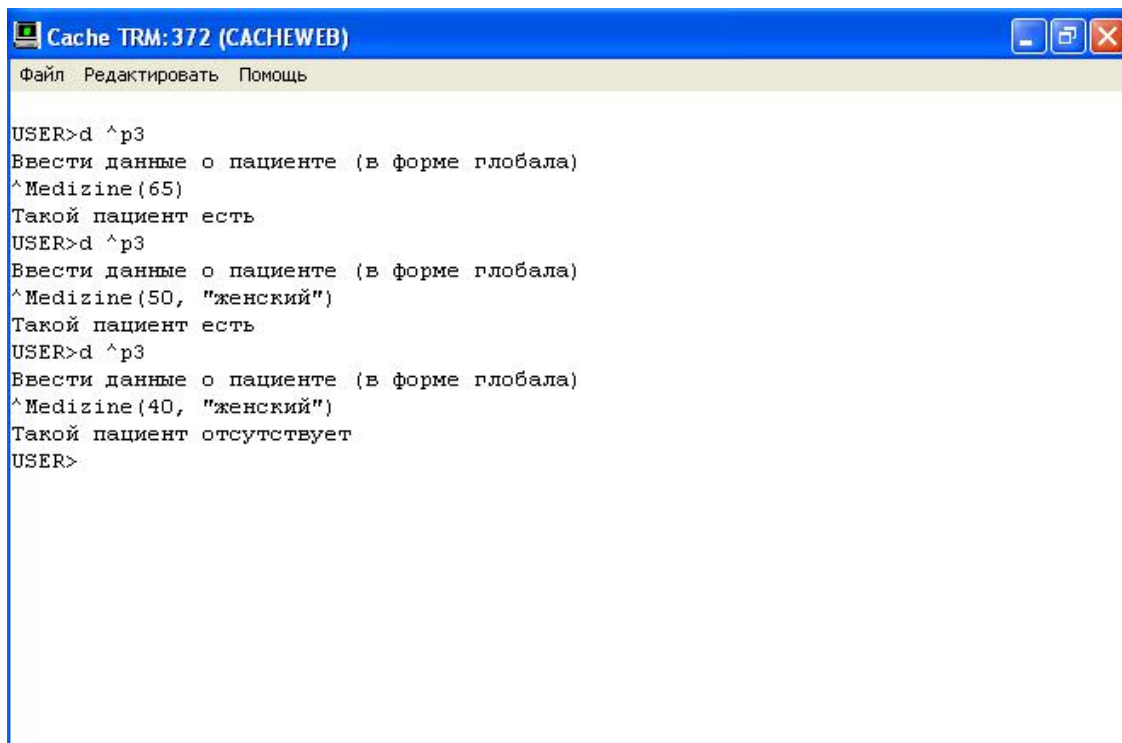
- **\$Data.** \$Data (\$D) –
 .
 ,
 \$Data ,
 .
 :
 1. 0 (10), ;
 2. 1(11), .
 ,
 , :
 :

Programm3

```
r "Ввести данные о пациенте (в форме глобала)", !, x
if $D(@x)#10=1 w !, "Такой пациент есть"
if $D(@x)#10=0 w !, "Такой пациент отсутствует"
q
```

- @,

:



8 –

•

\$Order.

,

.

,

.

,

,

.

:

USER> w \$O(^Medizine(65))**71**

:

,

?

:

Programm4

```
s x=""
f {
    Set x=$Order(^Medizine(x))
    Quit:x=""
    w x,!
}
q
```

« » ,

9.



9 –

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Cache ObjectScript,

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(27)

?

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,

:

USER>w \$O(^Medizine(27,""))

65

?

:

```

Programm4
s x=65,y=""
f {
    Set y=$Order(^Medizine(x,y))
    Quit:y=""
    w y,!
}
q

```

USER>d ^p5

« »,

,

.

- \$Query. \$Order, ,

,

.

.

,

,

,

«depth-first» (),

\$Query.

,

\$O,

:

USER>w \$Q(^Medizine(27))

^Medizine(27," ","110/80",38.6)

USER>w \$Q(^Medizine(27," ","110/80",38.6))

^Medizine(34," ","115/85")

:

```

Programm 6
s x="^Medizine"
f {
    Set x=$Query(@x)
    Quit:x=""
    w x, " = ", @x, !
}
q

```

USER>d ^p6

^Medizine(27," ","110/80",38.6) =

^Medizine(34," ","115/85") =

^Medizine(45," ",36.6) =

^Medizine(50," ") =

^Medizine(60," ","100/80",39.3) =

^Medizine(65) =

^Medizine(65," ","125/60",36.6) =

^Medizine(71," ","140/60",36.9) =

•

\$QLength

\$QSubscript.

,

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,

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:

1. () ?

2. i- ?

:

USER>w \$QL("^Medizine(65)")

1

USER>w \$QL("^Medizine(65,"" """)")

2

,

\$QL.

.

\$QSubscript (\$QS),

.

,

Name(s1, s2, s3....sn),

.

\$QS(Name(s1, s2, s3....sn), m) m-

, m n:

USER>w \$QS("^Medizine(27,"" """, ""110/80""")",3)

110/80

•

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p,

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Primer

```

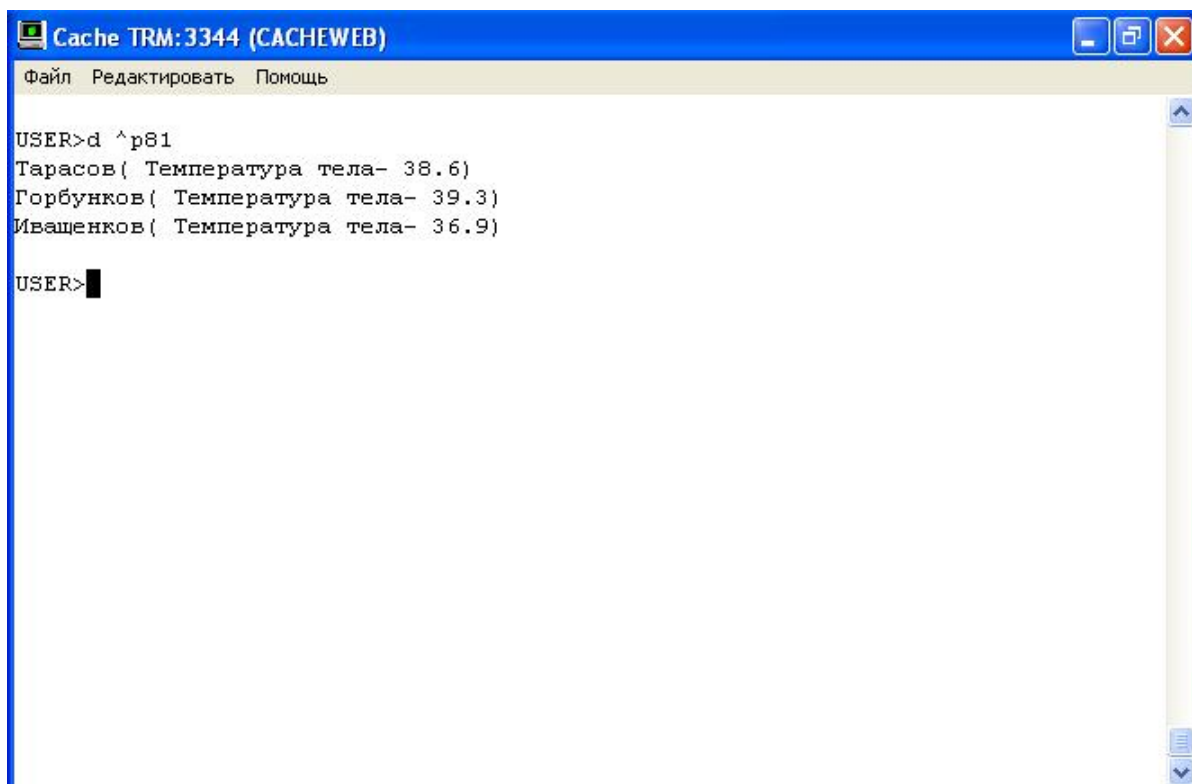
r "Ввести фамилию пациента:", !, p, !
s x="^Medizine"
f {
    Set x=$Query(@x)
    Quit:x=""
    if @x=p {
        w !, "Такой пациент поступал на лечение", !, !
        w @x, !, "Возраст- " _$QS(x, 1), !
        w "Пол- " _$QS(x, 2), !
        w "Давление- " _$QS(x, 3), !
        w "Температура- " _$QS(x, 4)
    }
}
q

```

9.1



1. (1) ,
(. . 36,6),
1.



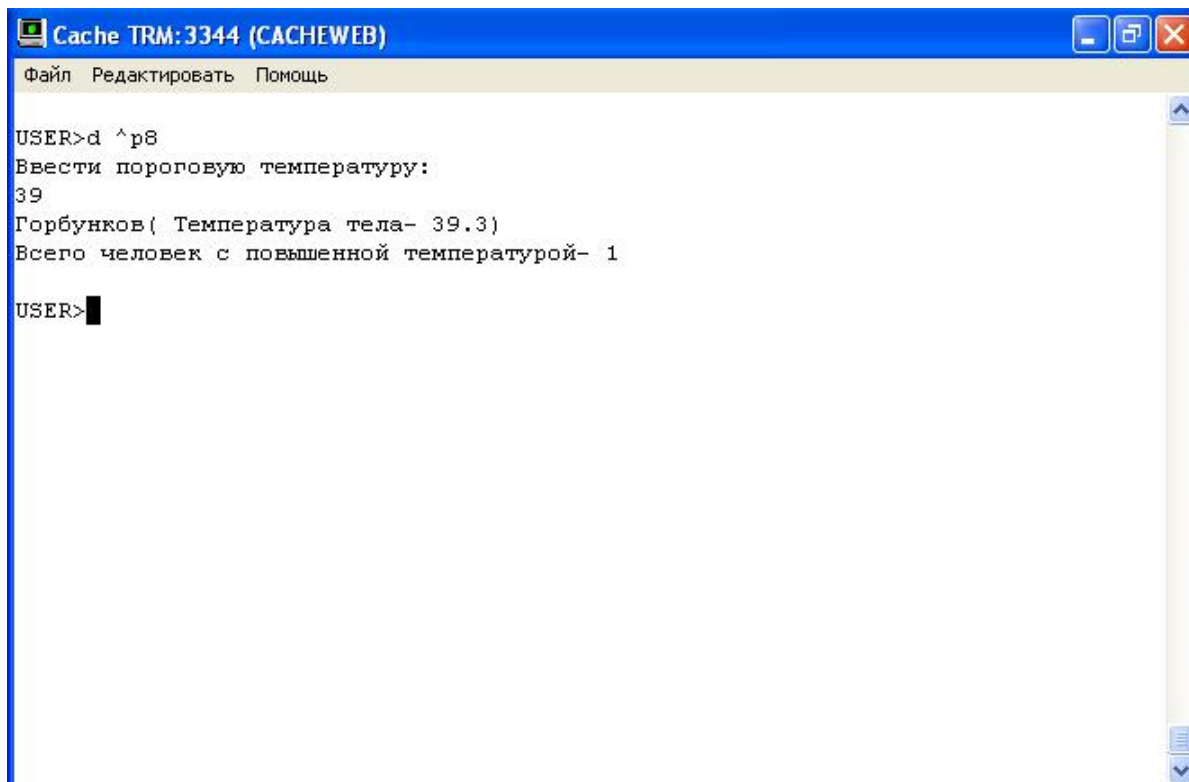
10 - 1, .

2. (1),

, ,

, ,

.



11 –

2,

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3.

(3)

,

,

1.



12 -

11 –

2.

1. ?
2. ?
3. ?
- Cache ObjectScript?
4. Cache Studio?
5. Cache ObjectScript
- ?
6. n- ?
7. “Depth-first”?
8. , n- ?
9. \$Query? ?
10. (@)?

1. , Cache, :
- C:\InterSystems\Cache\Docs\Main.html
2. Cache. - .
- . . : , 2001 .- 415 .
3. Cache. . . - .: - , 2006 – 480 .
4. <http://www.intersystems.ru>
5. <http://www.sql.ru/forum/actualthread.aspx>