??????????????????????? ???1

??
Minoru Horita · 2020?4?30? 9m read

??????????????????????? ???1

??? ?????????
??1?2??

???????SQL?????????????????????????????????
??????1966??M?UMPS?????????????????????????????????????
??

M?UMPS????Caché ObjectScript?COS????????? COS?InterSystems????M?????????????
??

???????MUMPS Google????Mumps????????ISO??????????????????

????????????DBMS???
?????????????????????????????????????

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2. ?????????

???????????????????????????????? ?????????????????????????? ???

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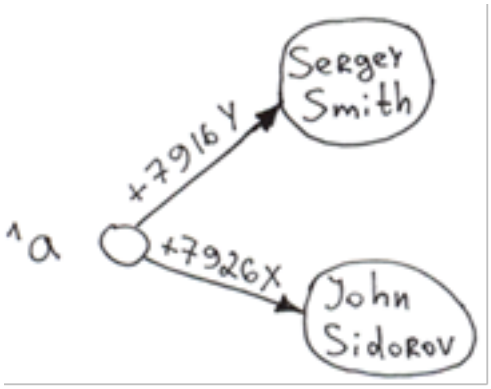
???????????????????????????????? ?????????COS/M????????????????^????????????????????????????????

?????????????????1?????????????????????????SQL???????????

??????????2???????????????????????? ?????COS??????????




```
Set ^a("+7926X") = "John Sidorov"
Set ^a("+7916Y") = "Sergey Smith"
```

????????????????Set????????3??????????????

1. ?????????**??**?
2. ?????????? ?????????????????????????????
3. **???**??? ??????????????? ???????????Sergey Smith??????????????John Sidorov????????
   ???
   ???

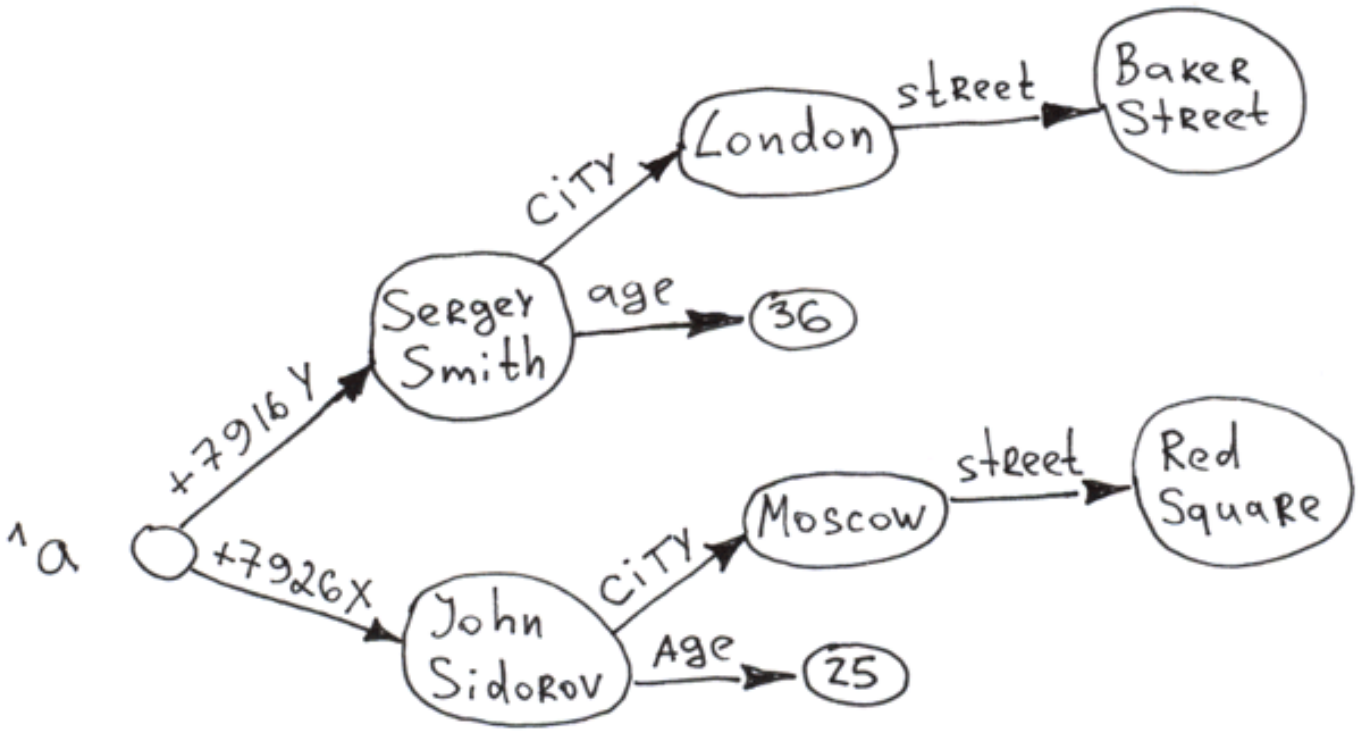
??????????????????????? ?????????i5-3340?16GB?HDD WD 1TB Blue????1?????????1,050,000??????????????? ????????????????????????????????????

???????????????????????????? ????????Visa???????????????????????????
??

- **????????????????????????????????????**
- **???????????????????????????? ?????????????????????????**

???????2????3??????????????????

```
Set ^a("+7926X", "city") = "Moscow"
Set ^a("+7926X", "city", "street") = "Req Square"
Set ^a("+7926X", "age") = 25
Set ^a("+7916Y", "city") = "London"
Set ^a("+7916Y", "city", "street") = "Baker Street"
Set ^a("+7916Y", "age") = 36
```



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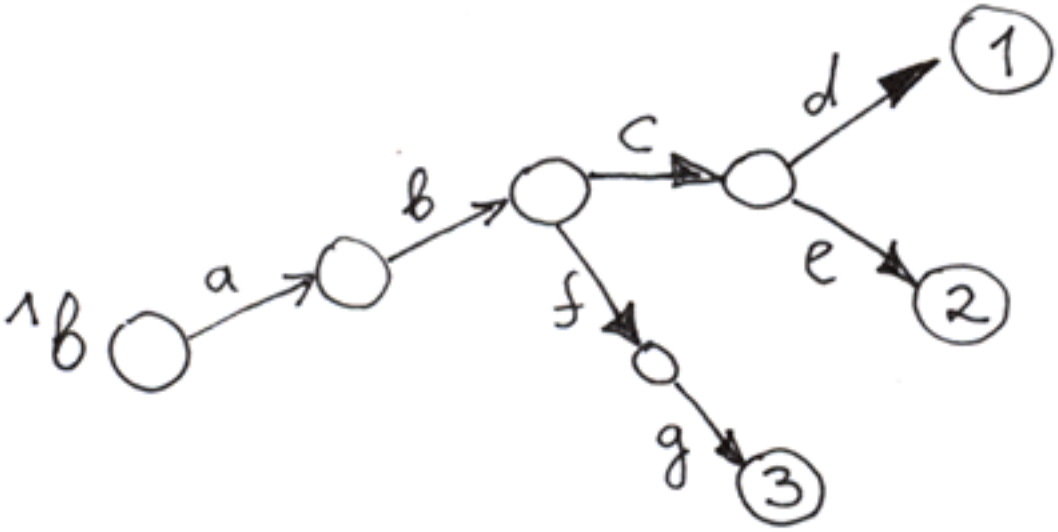
?????????????????????????

???????????????????????????? Caché?????????????????????????????????511???????????????3.6 MB
????????? ?????????????????31???

??1???




```
Set ^b("a", "b", "c", "d") = 1
Set ^b("a", "b", "c", "e") = 2
Set ^b("a", "b", "f", "g") = 3
```

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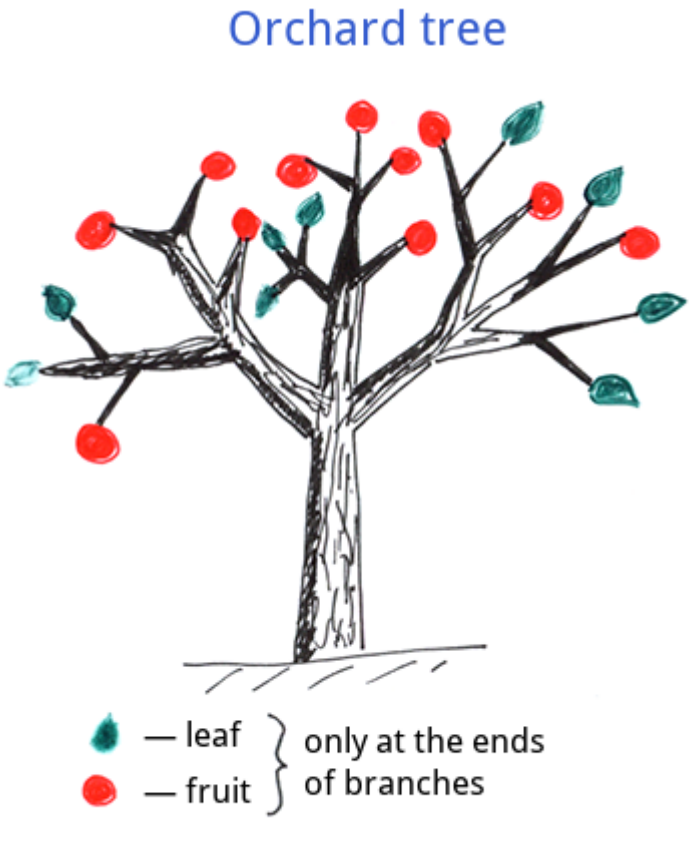
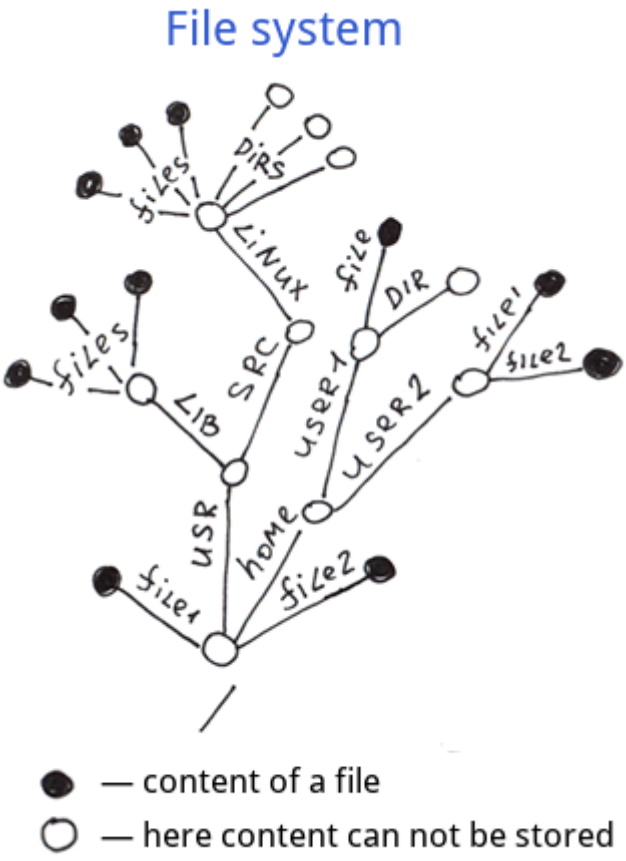
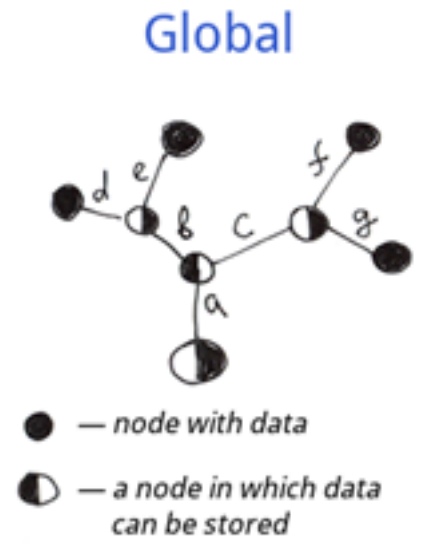

Orchard tree
— leaf
— fruit
only at the ends of branches


File system
files
DIRS
LINUX
file
DIR
file1
file2
files
SRC
LIB
user1
user2
USR
home
file1
file2
— content of a file
— here content can not be stored

??????????????????????????????
??


Global
d
e
b
c
f
g
a
— node with data
— a node in which data can be stored

??????????????????????

???

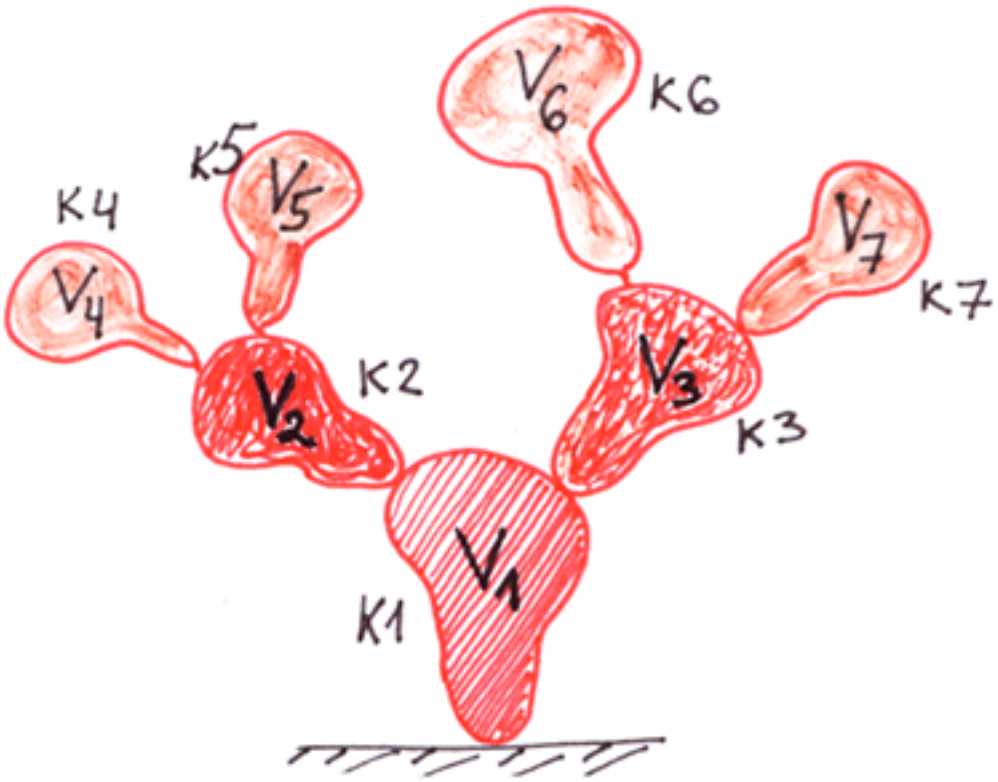
1. **?????**??????????????????????????????????????
2. **?????**? ??

?? ?????????????????????????????

??????????????**????????????????????????**?

??

1. ??
2. ???????????????????????? ???????????????????????????????????? ????????????????????????????????????



If the orchard tree was a global ...

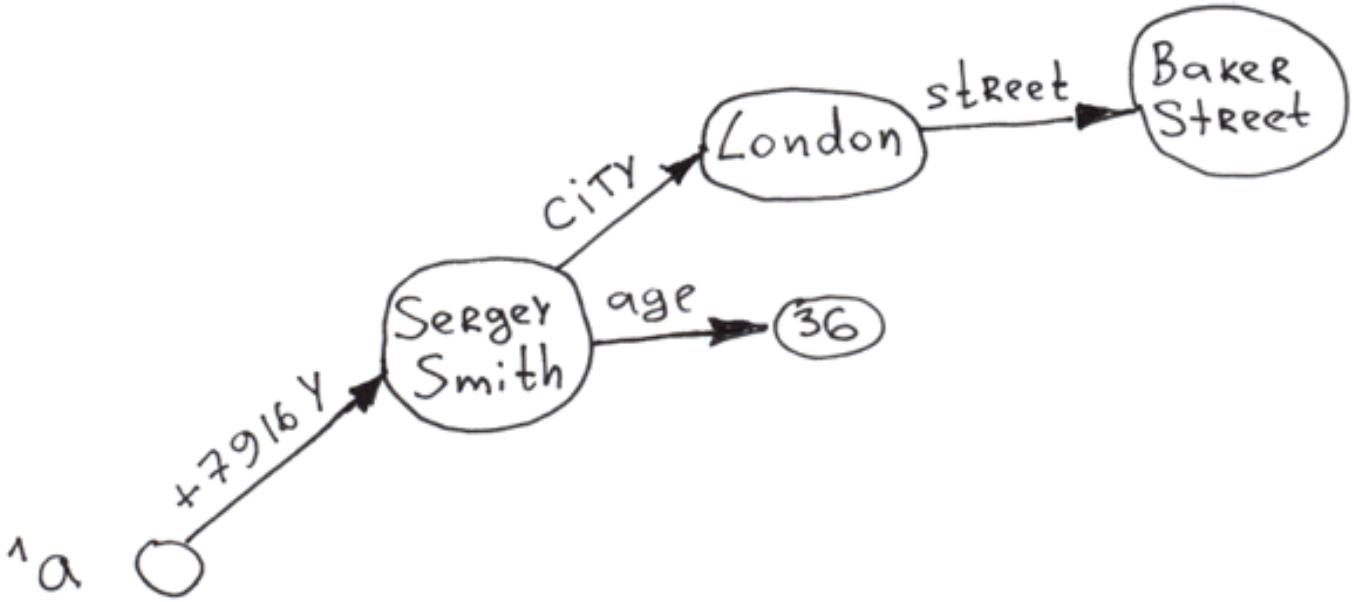
3. README.txt????????????????? ?? ???????? ???????????????????? /etc/readme ???

4. ???
???1?2?3??
??1??????????
?????PC????????????????????HDD?SDD???????2????????9,600?????3?4,100?????????????
??

????????1??????????????????????????????????????????????????

??????????????**Kill**????1???????????????

```
Kill ^a("+7926X")
```



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COS????????????????????	
Set	????????????????????????????????
Merge	?????????????
Kill	????????????
ZKill	????????????? ??????????????????????????
$Query	????????????????
$Order	????????????????

$Data	??????????????????????
$Increment	ACID?? ????$Sequence??????????????????????

??

????????????(?????Sergey Kamenev????????)??????????????InterSystems??????????????

???[?????????????????????????? ????2 - ????](#)??????????? ??

#Node.js #????? #??????? #???????????? #??? #Caché #InterSystems IRIS
30 1 0 0 88

????

- ?????????????????????? ???1
- [??????????????????????????2 - ???](#)
- [?????????????????????? ???3 - ????](#)

Log in or sign up to continue
???????

???URL: https://jp.community.intersystems.com/post/%E3%82%B0%E3%83%AD%E3%83%BC%E3%83%90%E3%83%AB%E3%81%AF%E3%83%87%E3%83%BC%E3%82%BF%E3%82%92%E4%BF%9D%E5%AD%98%E3%81%99%E3%82%8B%E3%81%9F%E3%82%81%E3%81%AE%E9%AD%94%E6%B3%95%E3%81%AE%E5%89%A3%E3%81%A7%E3%81%99-%C2%A0%E3%83%91%E3%83%BC%E3%83%881%C2%A0