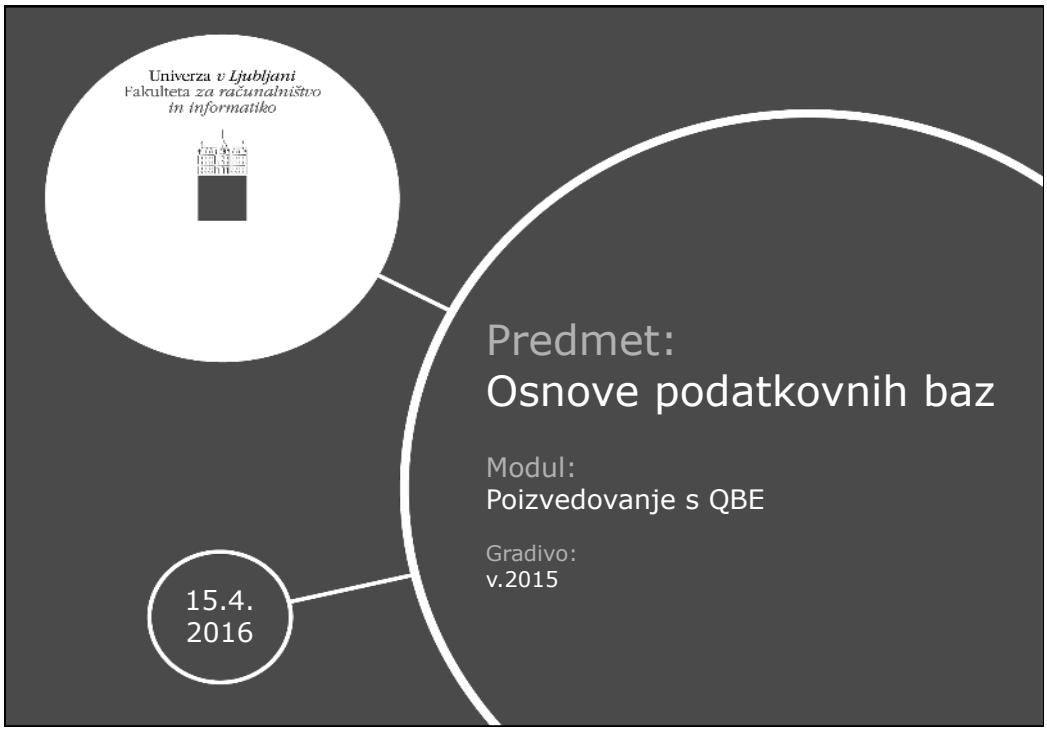
Univerza v Ljubljani
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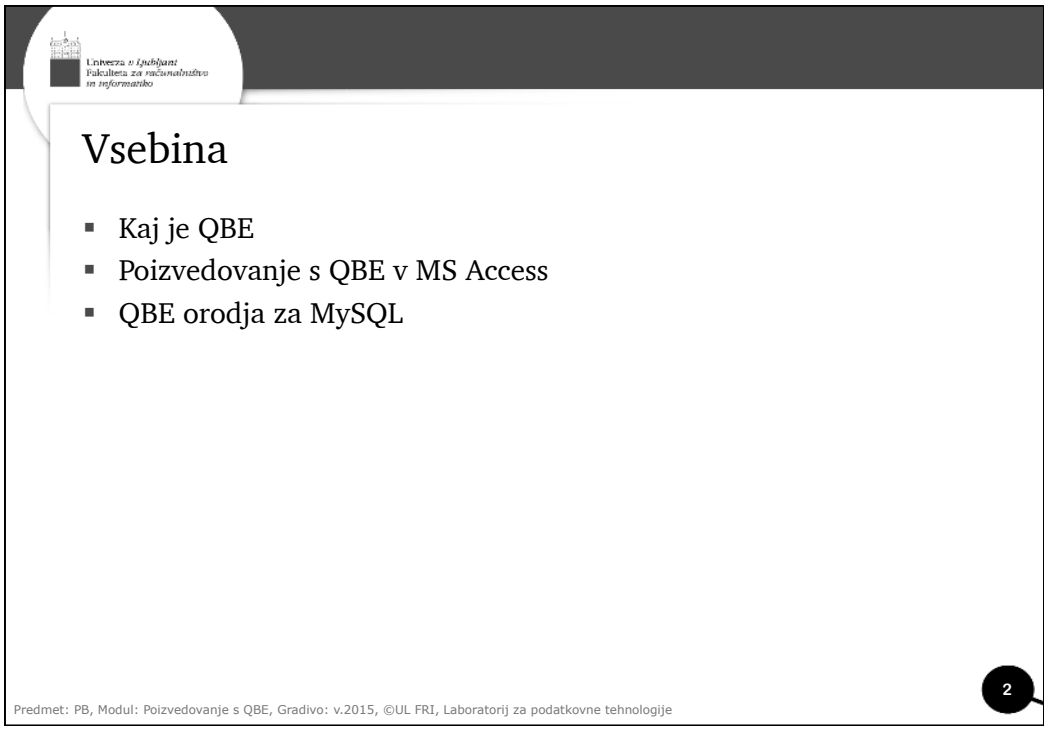
Predmet:
Osnove podatkovnih baz
Modul:
Poizvedovanje s QBE
Gradivo:
v.2015
15.4.
2016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Vsebina
Kaj je QBE
Poizvedovanje s QBE v MS Access
QBE orodja za MySQL
Predmet: PB, Modul: Poizvedovanje s QBE, Gradivo: v.2015, ©UL FRI, Laboratorij za podatkovne tehnologije
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QBE – Query-By-Example…

- Vizualen način dostopa do podatkov s podajanjem primerov…povemo, kaj nas zanima.
- QBE originalno razvil IBM v 70' letih. Včasih zelo popularen. Ponujajo mnogi SUPB.
- Možno prehajanje iz vizualne v tekstovno poizvedbo in obratno.

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Primer QBE v MS ACCESS…

- QBE v MS Access uporabnikom omogoča:
  - Poizvedovati po podatkih ene ali več tabel.
  - Določiti stolpce, ki jih želimo imeti v odgovoru (projekcija).
  - Določiti kriterije za izbiro vrstic (selekcija).
  - Izvajati izračune nad podatki v tabelah.
  - Dodajati in brisati zapise.
  - Spreminjati vrednosti v poljih.
  - Kreirati nove tabele in stolpce.
  - Izvajati posebne poizvedbe.

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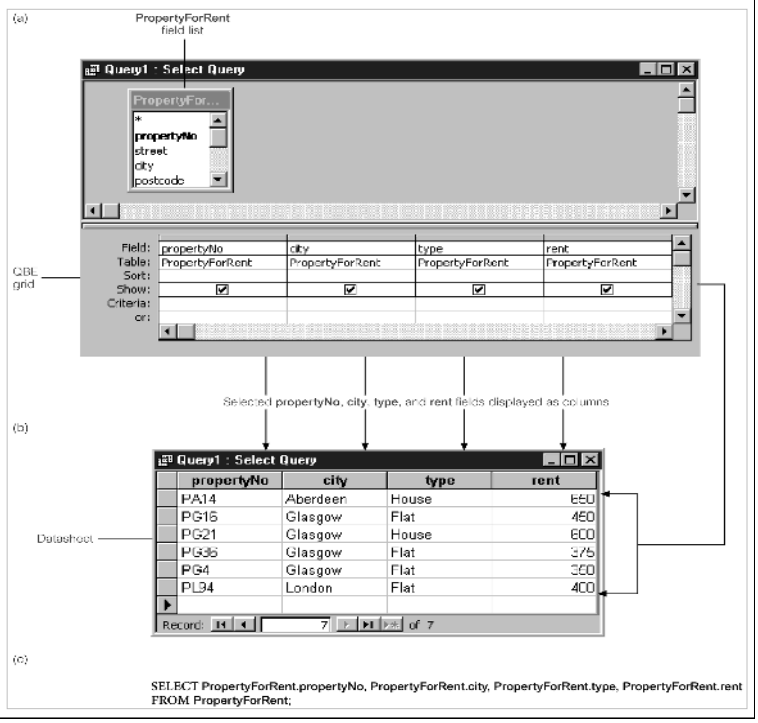
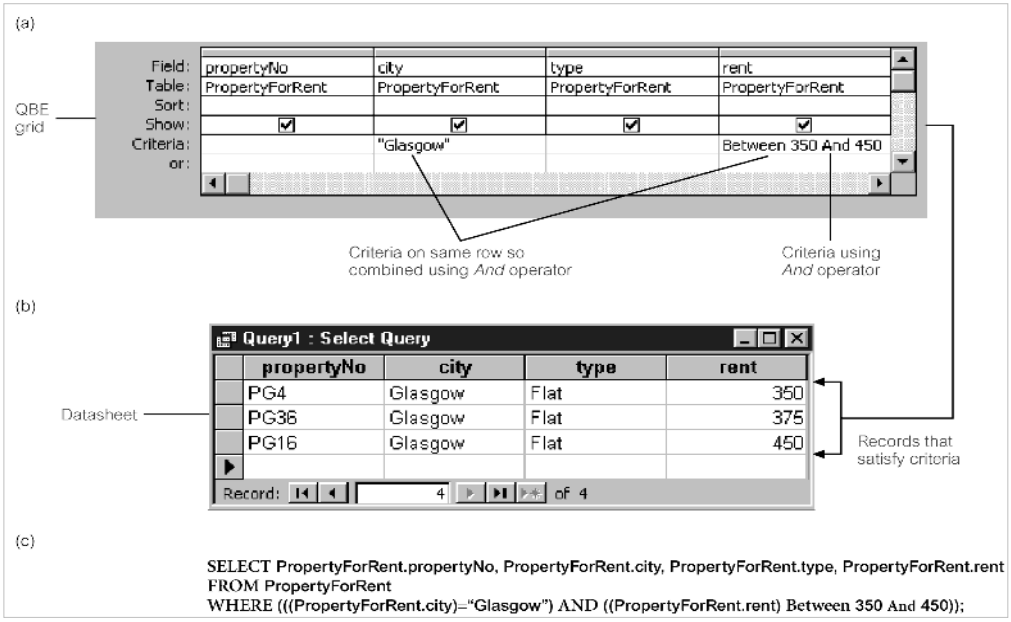
Primer QBE v MS ACCESS...

- Primeri iz Accessa

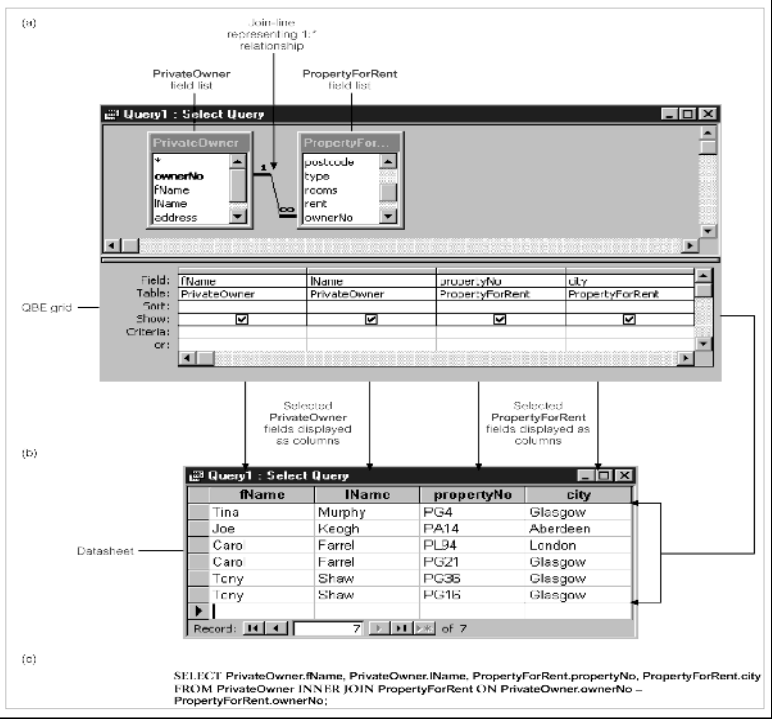
Poizvedba SELECT



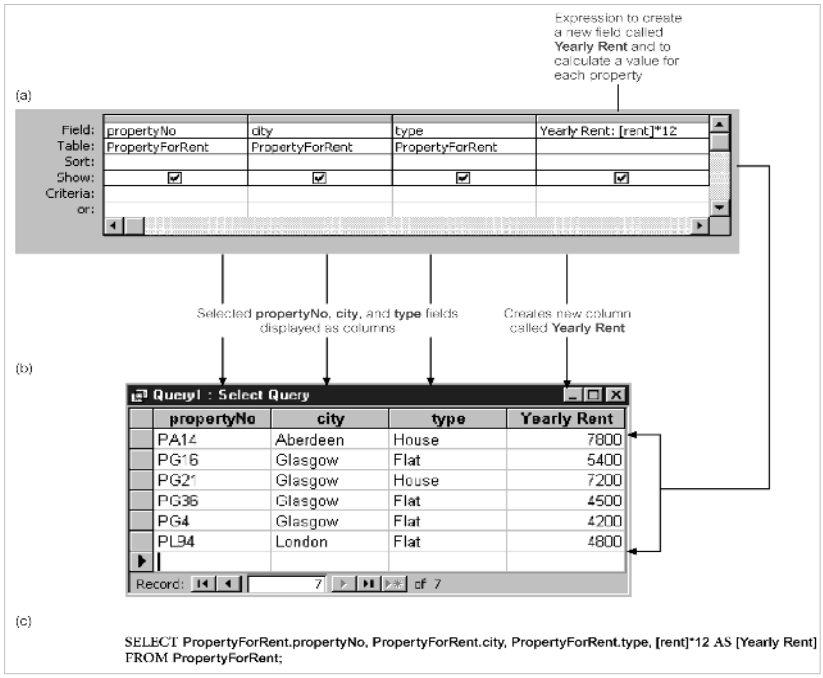
Poizvedba SELECT, določitev kriterija



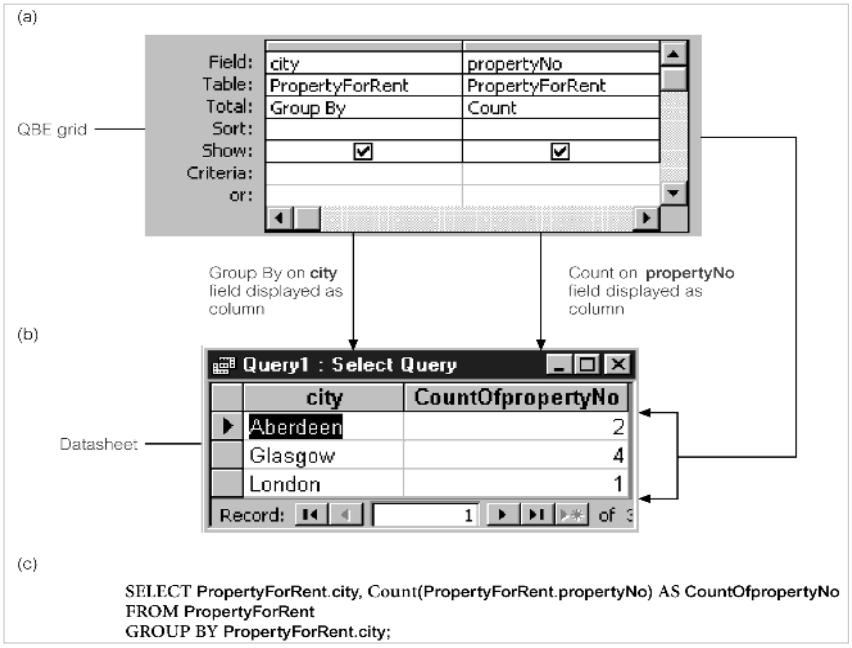
Poizvedba SELECT, stik tabel



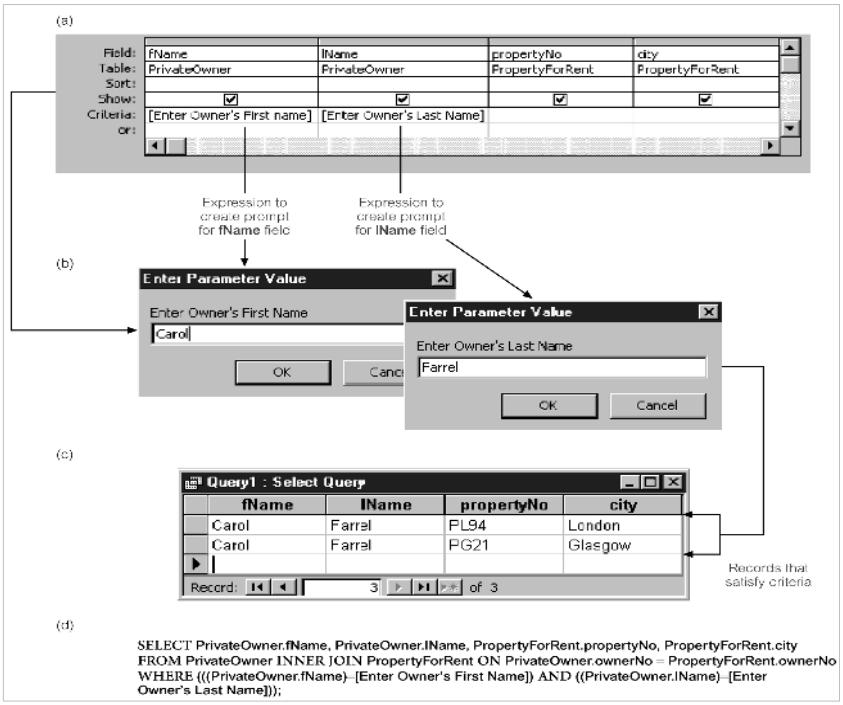
Poizvedba SELECT, izračunana polja



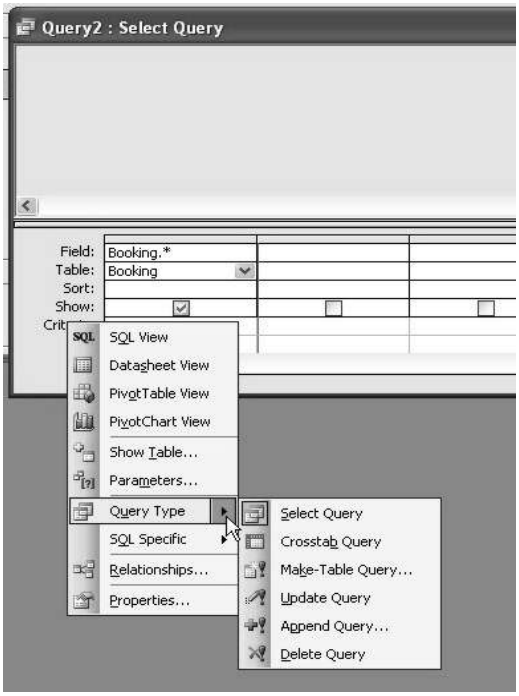
Poizvedba SELECT, uporaba agregatov



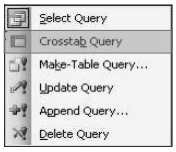
Poizvedba SELECT, uporaba parametrov



Posebne vrste SELECT poizvedb



Poizvedba Crosstab



(a)

Field:	fName	lName	type	propertyNo
Table:	Staff	Staff	PropertyForRent	PropertyForRent
Total:	Group By	Group By	Group By	Count
Sort:				
Show:	☑	☑	☑	☑
Criteria:				
or:				

Group By on fName, lName, and type fields displayed as columns

Count on propertyNo field displayed as column

(b)

Query1 : Select Query

fName	lName	type	CountOfpropertyNo
Ann	Beech	Bungalow	43
Ann	Beech	Cottage	4
Ann	Beech	Flat	45
Ann	Beech	Mid-Terrace	26
Ann	Beech	Semi-Detached	33
David	Ford	Bungalow	7
David	Ford	Cottage	2
David	Ford	Flat	14
David	Ford	Semi-Detached	42
Mary	Howe	Bungalow	45
Mary	Howe	Cottage	4
Mary	Howe	Flat	31
Mary	Howe	Mid-Terrace	2
Mary	Howe	Semi-Detached	7

Record: 1 of 14

(c)

```
SELECT Staff.fName, Staff.lName, PropertyForRent.type, Count(PropertyForRent.propertyNo) AS
CountOfpropertyNo
FROM Staff INNER JOIN PropertyForRent ON Staff.staffNo = PropertyForRent.staffNo
GROUP BY Staff.fName, Staff.lName, PropertyForRent.type;
```

(a)

propertyNo field provides values for property type columns

Field:	fName	lName	type	propertyNo
Table:	Staff	Staff	PropertyForRent	PropertyForRent
Total:	Group By	Group By	Group By	Count
Crosstab:	Row Heading	Row Heading	Column Heading	Value
Sort:				
Criteria:				
or:				

fName and lName fields provide values for row heading columns

type field provide values for column heading columns

(b)

Query1 : Crosstab Query

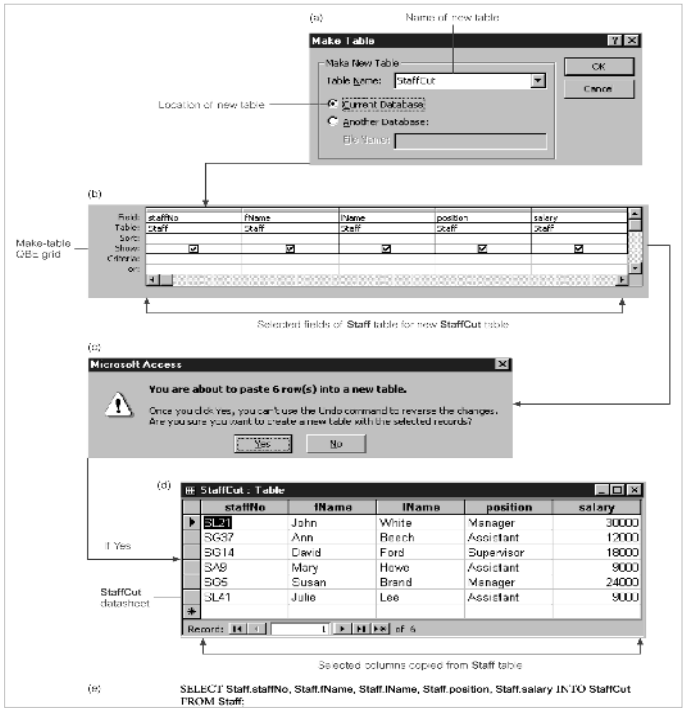
fName	lName	Bungalow	Cottage	Flat	Mid-Terrace	Semi-Detached
Ann	Beech	43	4	45	26	33
David	Ford	7	2	14		42
Mary	Howe	45	4	31	2	7

Record: 1 of 3

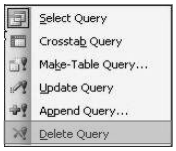
(c)

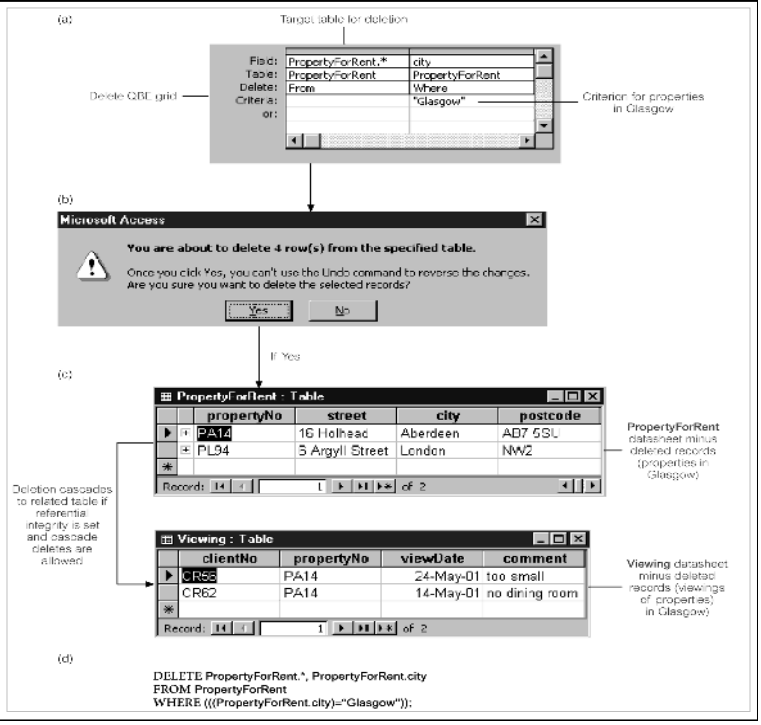
```
TRANSFORM Count(PropertyForRent.propertyNo) AS CountOfpropertyNo
SELECT Staff.fName, Staff.lName
FROM Staff INNER JOIN PropertyForRent ON Staff.staffNo = PropertyForRent.staffNo
GROUP BY Staff.fName, Staff.lName
PIVOT PropertyForRent.type;
```

Kreiranje novih tabel

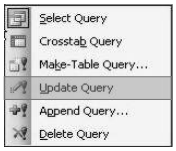


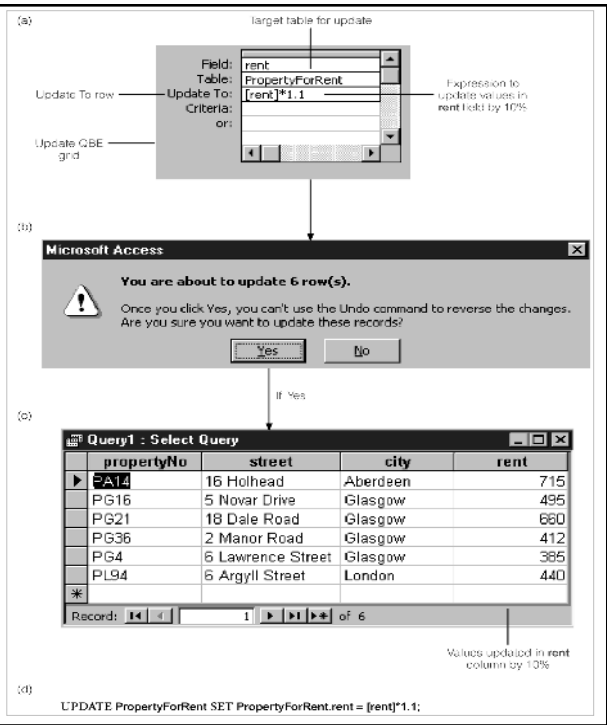
Brisanje zapisov





Spreminjanje zapisov





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QBE orodja za MySQL

- phpMyAdmin
- dbForge Studio for MySQL
  http://www.devart.com/dbforge/mysql/
- FlySpeed SQL Query
  http://www.activedbsoft.com/index.html
- SQLyog MySQL
  https://www.webyog.com/
- …

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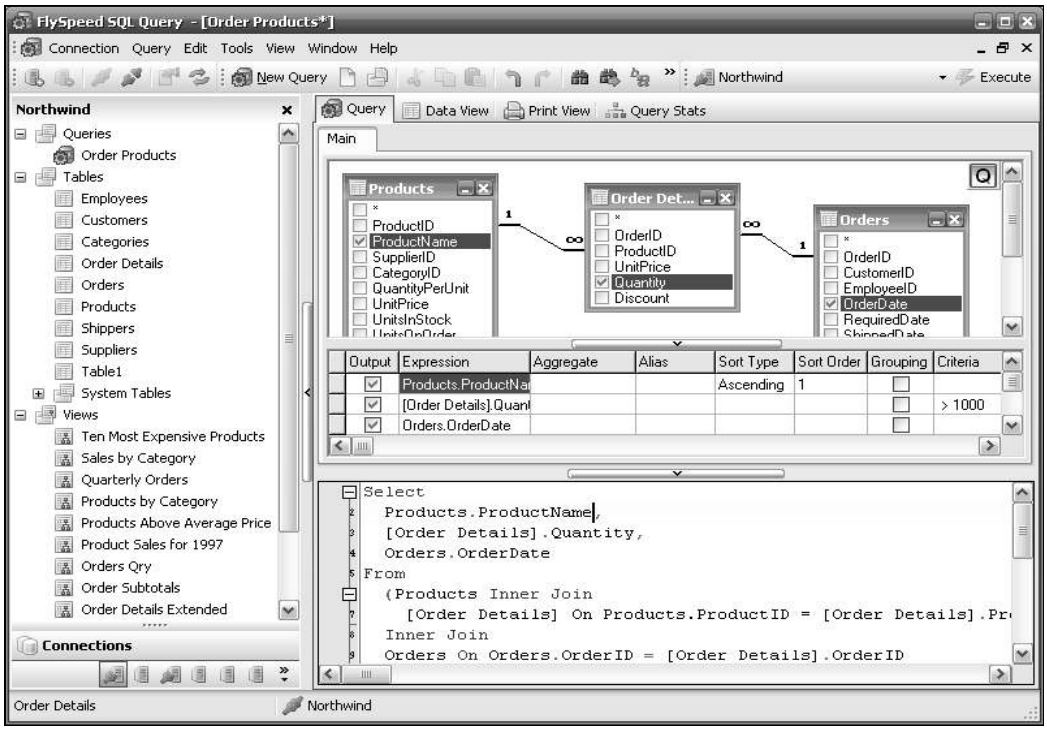
dbForge Studio for MySQL



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FlySpeed SQL Query

FlySpeed **DB Migrate**

FlySpeed **Data Export**

FlySpeed **SQL Query**

Active **Query Builder**

FlySpeed SQL Query