JAVA PROJECT

OBJECT ORIENTED PROGRAMMING IN JAVA

BEE29 Aishwarya Kamble
BEE13 Durgesh Kolte
BEE10 Yash Pamnani

Contents

1)Software used

2)Java concepts implemented

3)Pet Shop Application interface

4)MySQL Database interface

SOFTWARE USED

1.) Netbeans IDE: -

- Written in Java
- Cross-Platform Support
- Fast And Smart Editing
- GUI Builder
- Easy and Efficient Project Management
- Smart Error Analyzer

2.) MySQL: -

- Written in C, C++
- Open Source Platform
- Supports many languages like PHP, C, C++, JAVA, etc.
- Quick and works well even with large data sets
- Table is customizable using simple commands
- User-friendly, easy to link MySQL databases with different application

JAVA CONCEPT IMPLEMENTED

Object-Oriented Programming is a methodology or paradigm to design a program using classes and objects.

1. ***Classes***- *Collection of objects* is called class. It is a logical entity. A class can also be defined as a blueprint from which you can create an individual object. Class doesn't consume any space.

2. ***Objects***- An Object can be defined as an instance of a class. An object contains an address and takes up some space in memory. Objects can communicate without knowing the details of each other's data or code.

3. ***Inheritance***- *When one object acquires all the properties and behaviors of a parent object*, it is known as inheritance. It provides code reusability.

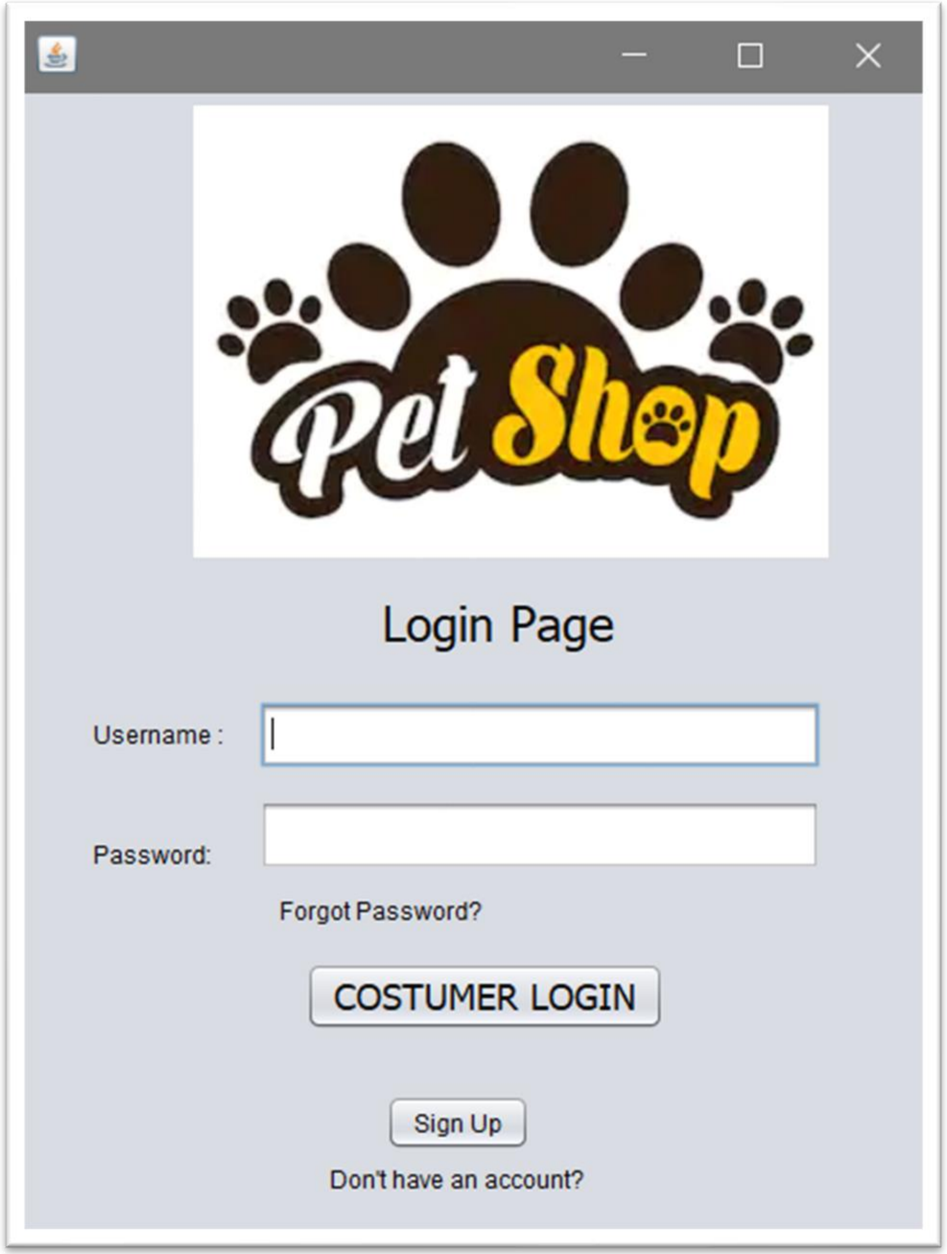
JAVA CONCEPT IMPLEMENTED

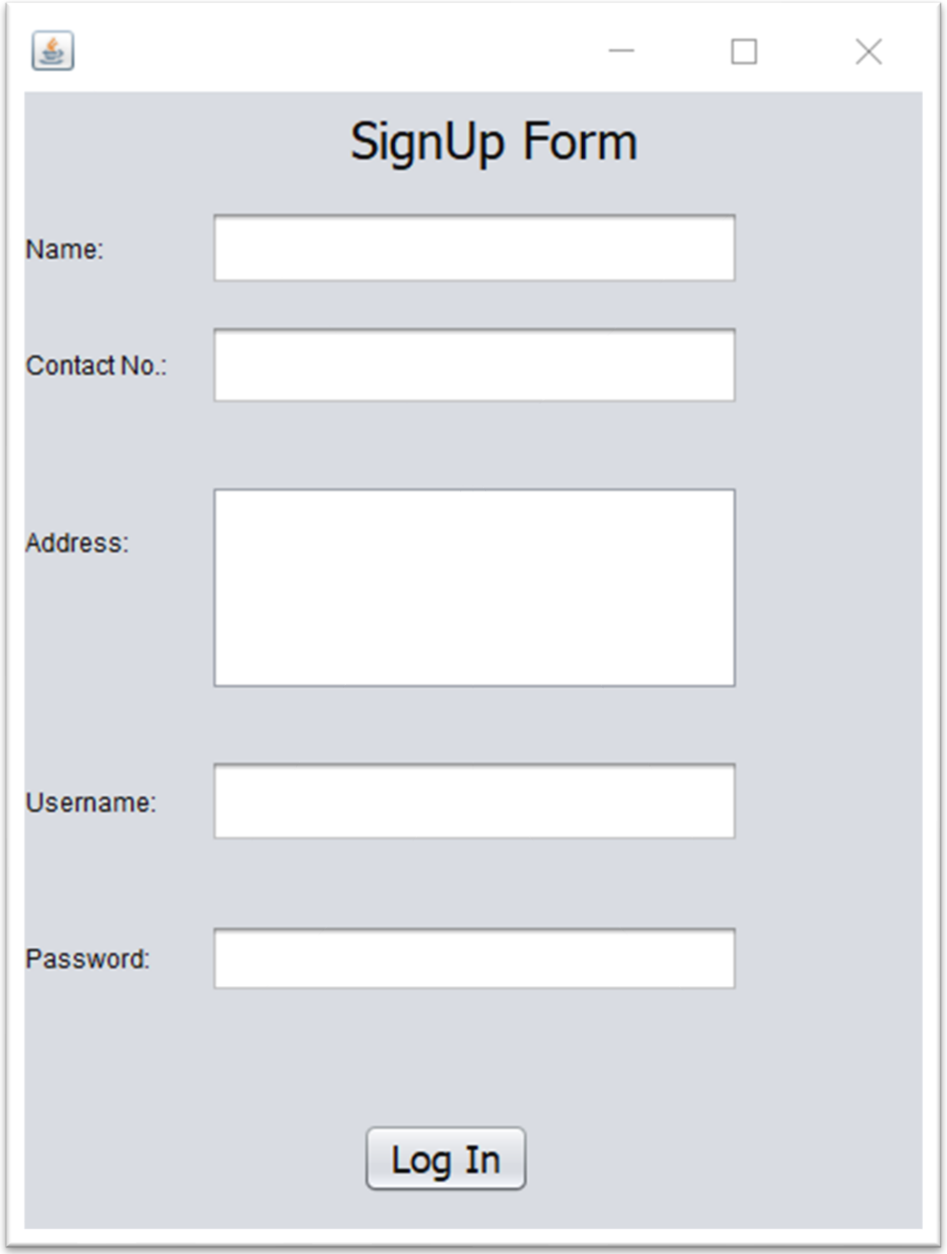
4. ***Constructor***- constructor is a block of codes similar to the method. It is called when an instance of the class is created. At the time of calling constructor, memory for the object is allocated in the memory.

5. ***Package***- package is a group of similar types of classes, interfaces and sub-packages. Package in java can be categorized in two form, built-in package and user-defined package. There are many built-in packages such as java, lang, awt, javax, swing, net, io, util, sql etc.

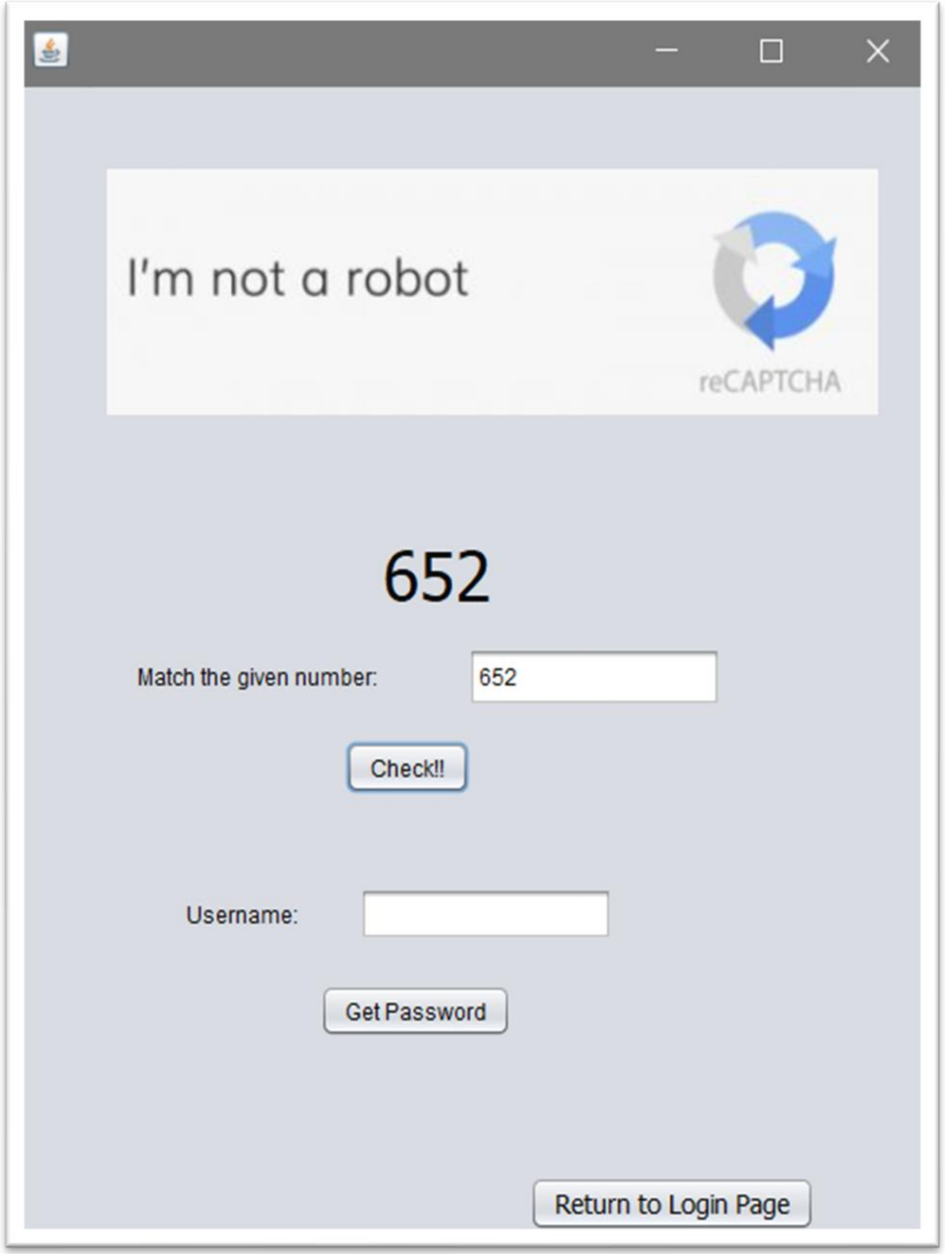
6. ***Exception Handling***- Exception Handling is one of the powerful *mechanism to handle the runtime errors* so that normal flow of the application can be maintained.

PET SHOP APPLICATION





PET SHOP APPLICATION

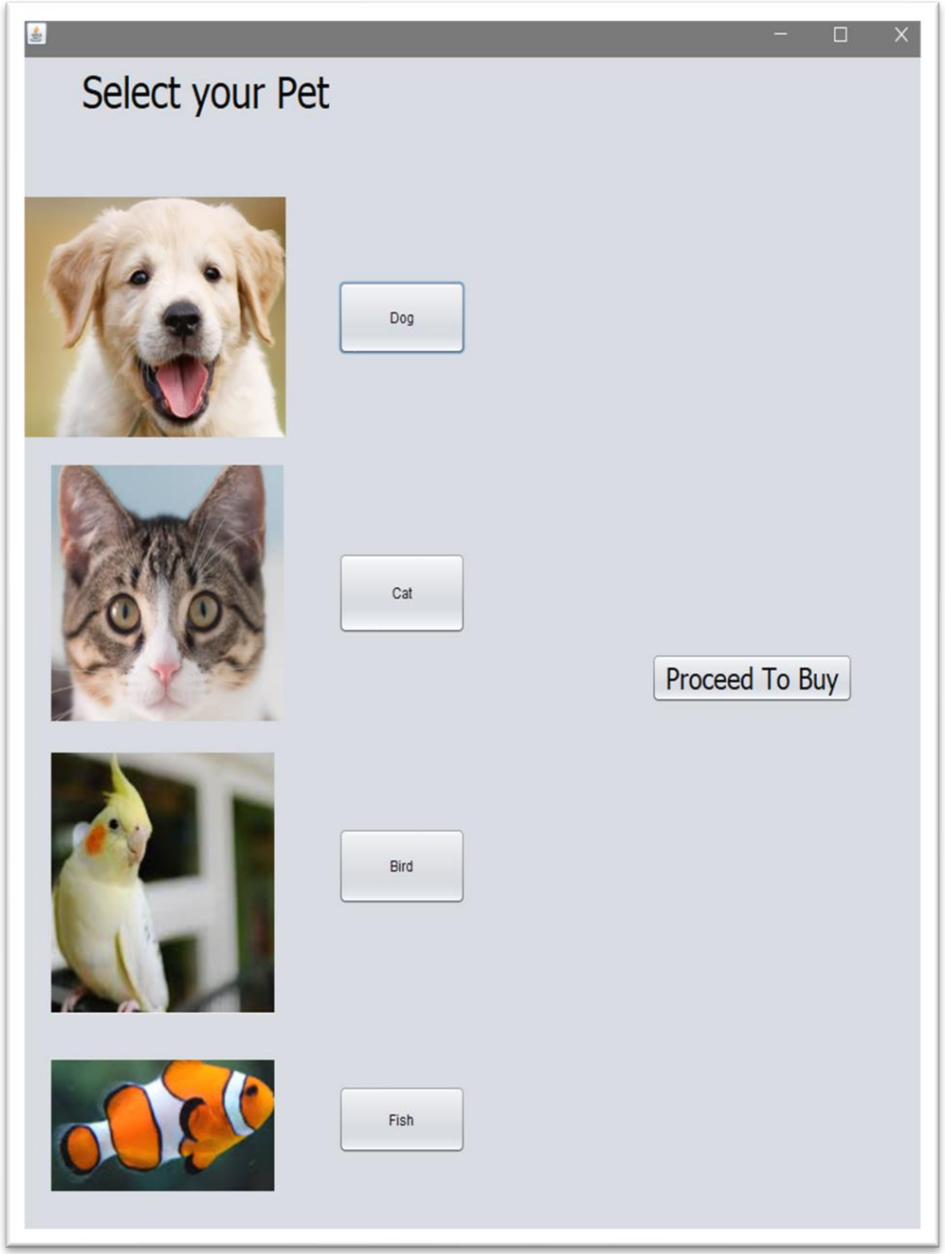


I'm not a robot

652

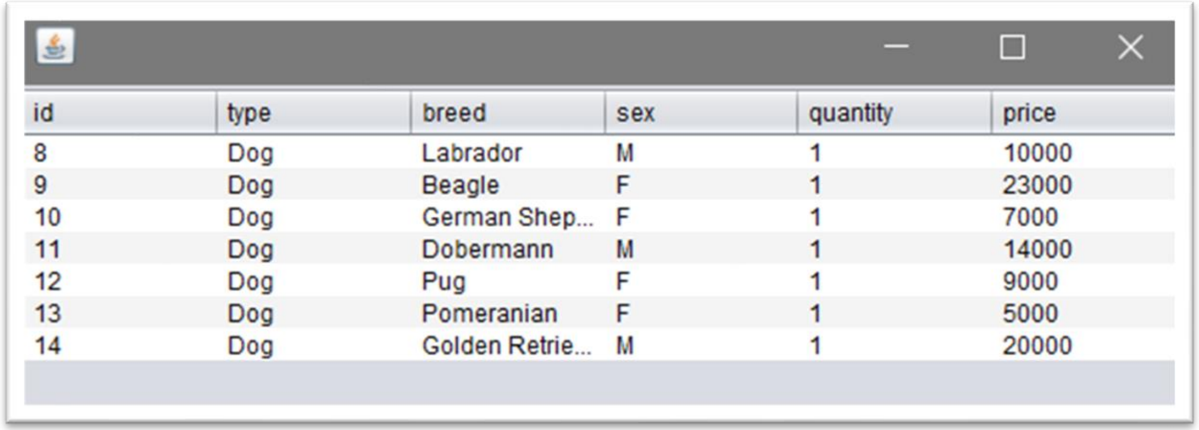
Match the given number: 652

Username:

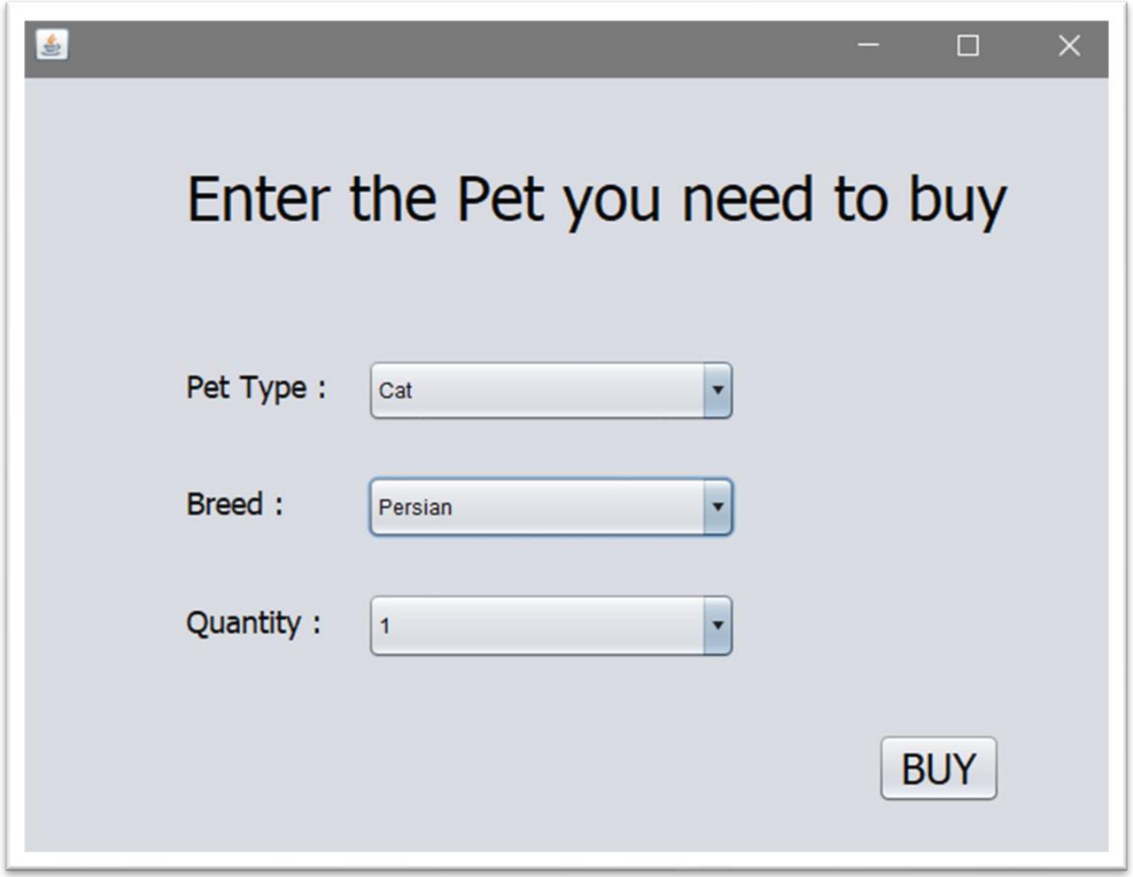


Select your Pet

PET SHOP APPLICATION



id	type	breed	sex	quantity	price
8	Dog	Labrador	M	1	10000
9	Dog	Beagle	F	1	23000
10	Dog	German Shep...	F	1	7000
11	Dog	Dobermann	M	1	14000
12	Dog	Pug	F	1	9000
13	Dog	Pomeranian	F	1	5000
14	Dog	Golden Retrie...	M	1	20000

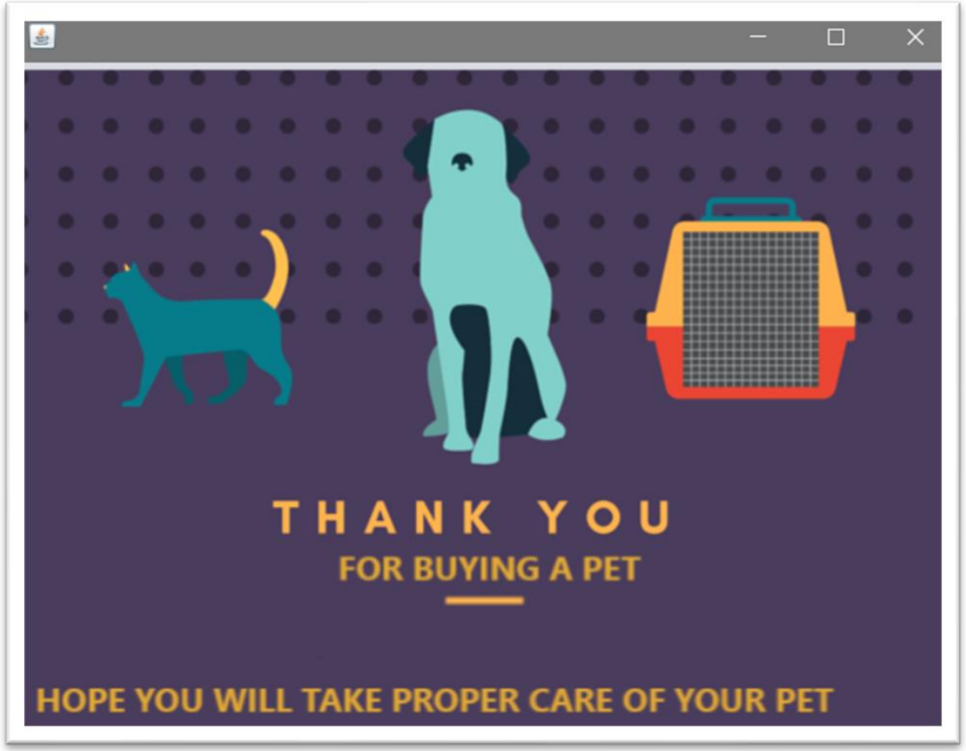


Enter the Pet you need to buy

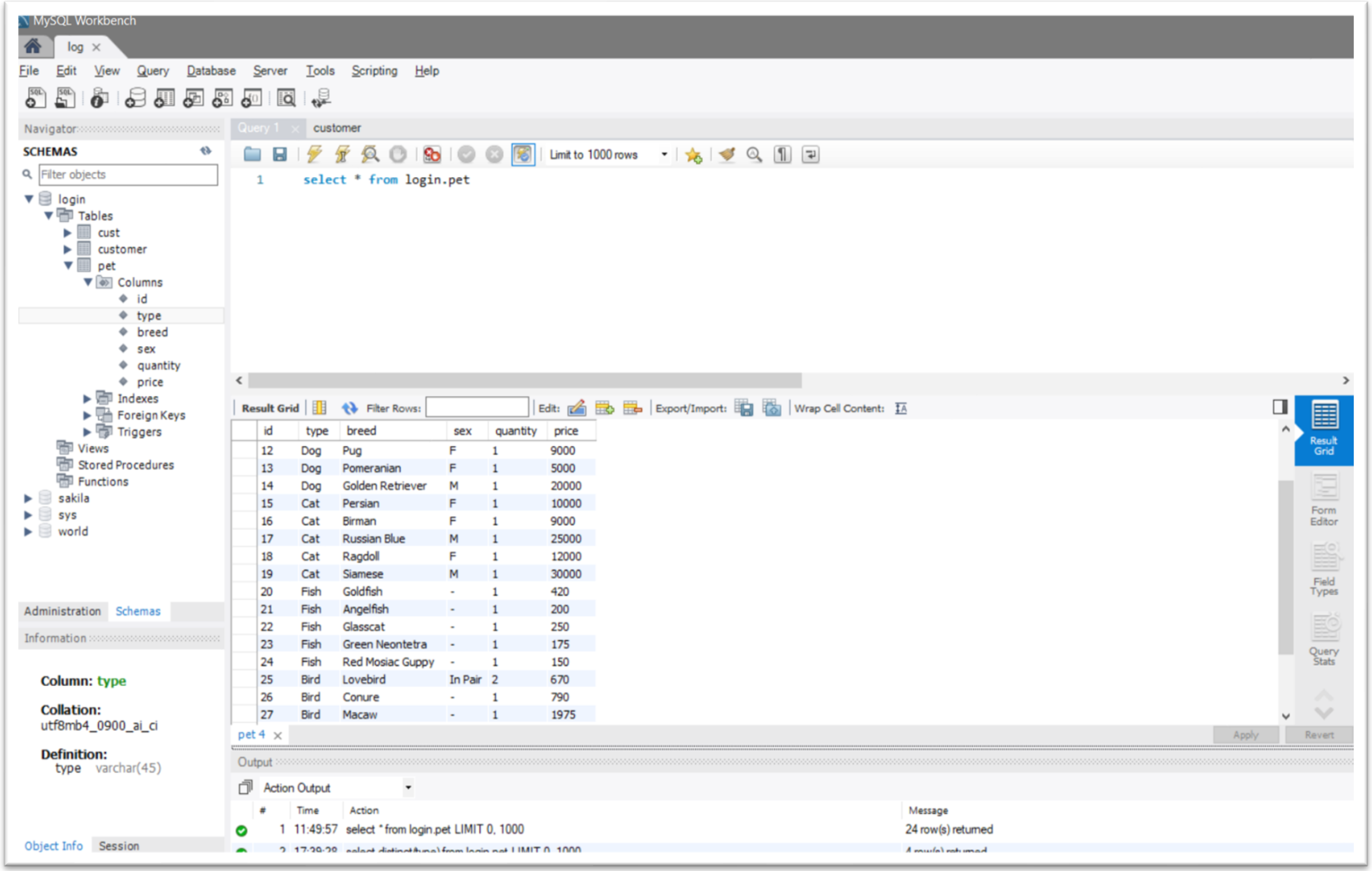
Pet Type : Cat

Breed : Persian

Quantity : 1



MYSQL DATABASE- PET DATABASE



```
select * from login.pet
```

id	type	breed	sex	quantity	price
12	Dog	Pug	F	1	9000
13	Dog	Pomeranian	F	1	5000
14	Dog	Golden Retriever	M	1	20000
15	Cat	Persian	F	1	10000
16	Cat	Birman	F	1	9000
17	Cat	Russian Blue	M	1	25000
18	Cat	Ragdoll	F	1	12000
19	Cat	Siamese	M	1	30000
20	Fish	Goldfish	-	1	420
21	Fish	Angelfish	-	1	200
22	Fish	Glasscat	-	1	250
23	Fish	Green Neontetra	-	1	175
24	Fish	Red Mosiac Guppy	-	1	150
25	Bird	Lovebird	In Pair	2	670
26	Bird	Conure	-	1	790
27	Bird	Macaw	-	1	1975

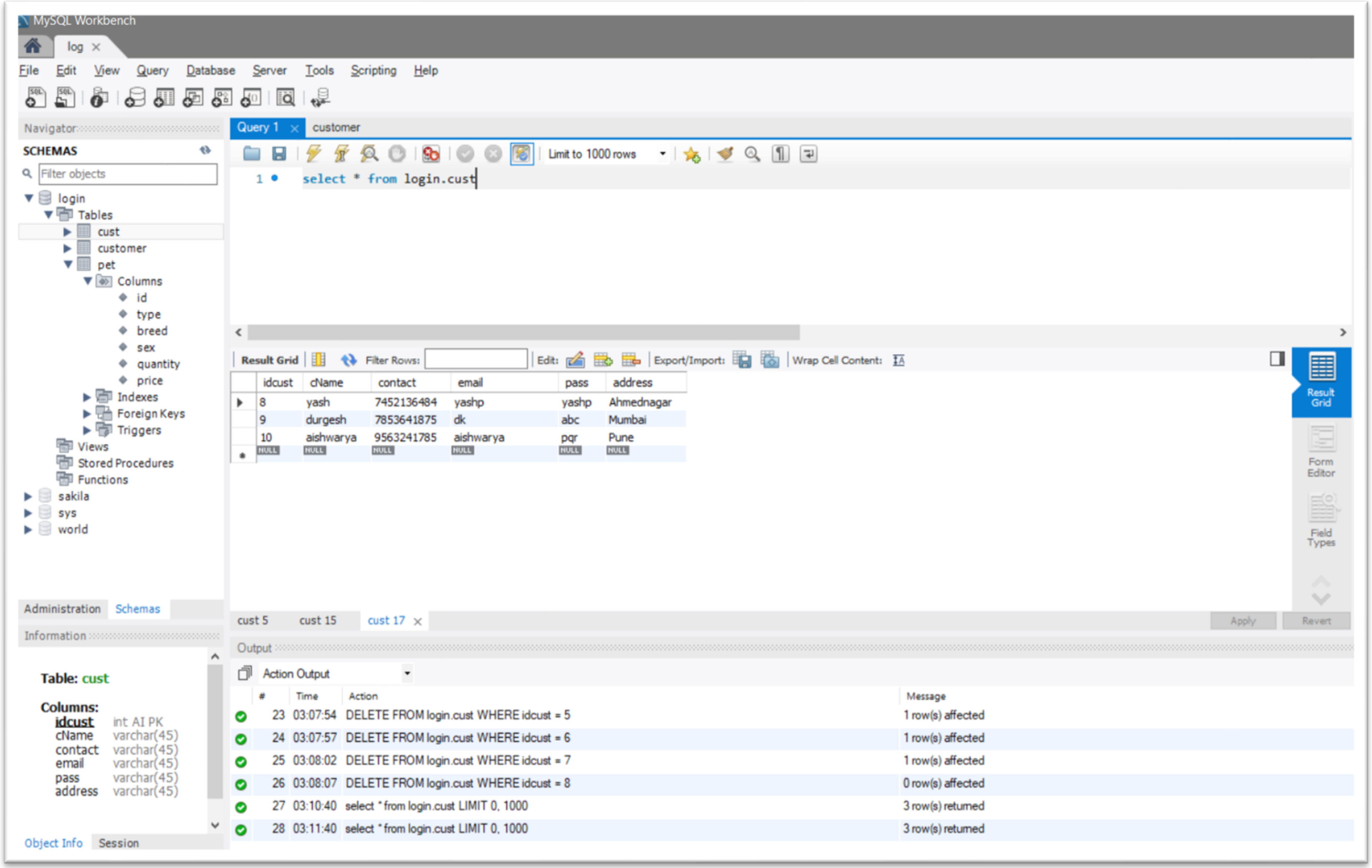
```
#  Time      Action                                            Message
1  11:49:57  select * from login.pet LIMIT 0, 1000             24 row(s) returned
2  17:39:28  select distinct(type) from login.pet LIMIT 0, 1000  4 row(s) returned
```

Column: type

Collation:
utf8mb4_0900_ai_ci

Definition:
type varchar(45)

MYSQL DATABASE- CUSTOMER DATABASE



```
1  select * from login.cust
```

	idcust	cName	contact	email	pass	address
▶	8	yash	7452136484	yashp	yashp	Ahmednagar
	9	durgesh	7853641875	dk	abc	Mumbai
	10	aishwarya	9563241785	aishwarya	pqr	Pune
*	NULL	NULL	NULL	NULL	NULL	NULL

Table: cust

Columns:

idcust	int AI PK
cName	varchar(45)
contact	varchar(45)
email	varchar(45)
pass	varchar(45)
address	varchar(45)

```
    #   Time      Action                                        Message
✓  23  03:07:54  DELETE FROM login.cust WHERE idcust = 5       1 row(s) affected
✓  24  03:07:57  DELETE FROM login.cust WHERE idcust = 6       1 row(s) affected
✓  25  03:08:02  DELETE FROM login.cust WHERE idcust = 7       1 row(s) affected
✓  26  03:08:07  DELETE FROM login.cust WHERE idcust = 8       0 row(s) affected
✓  27  03:10:40  select * from login.cust LIMIT 0, 1000        3 row(s) returned
✓  28  03:11:40  select * from login.cust LIMIT 0, 1000        3 row(s) returned
```

Thank You ☺

Any Questions ??