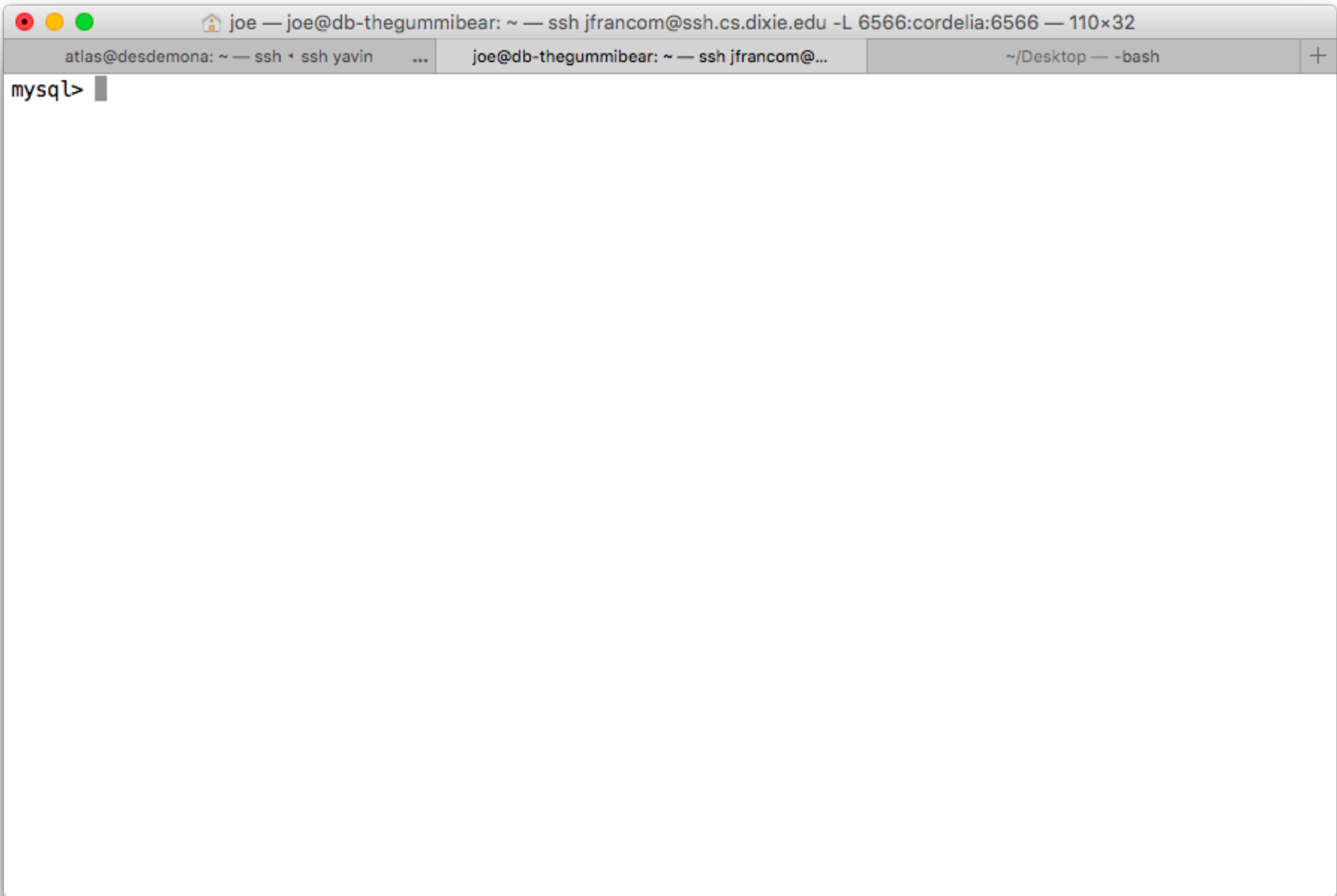


```
joe — joe@db-thegummibear: ~ — ssh jfrancom@ssh.cs.dixie.edu -L 6566:cordelia:6566 — 110x32
atlas@desdemona: ~ — ssh + ssh yavin ... joe@db-thegummibear: ~ — ssh jfrancom@... ~/Desktop — -bash
[joe@db-thegummibear:~$ echo "Let's just explore what the basic mysql install has for us!"
Let's just explore what the basic mysql install has for us!
[joe@db-thegummibear:~$ echo "At the prompt below, I will input the mysql password that I used in the initial s
etup screens"
At the prompt below, I will input the mysql password that I used in the initial setup screens
joe@db-thegummibear:~$ mysql -u root -p
```

```
joe — joe@db-thegummibear: ~ — ssh jfrancom@ssh.cs.dixie.edu -L 6566:cordelia:6566 — 110x32
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At the prompt below, I will input the mysql password that I used in the initial setup screens
[joe@db-thegummibear:~$ mysql -u root -p
Enter password: █
```



```
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[mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.05 sec)

mysql> Those are the default databases shipped with mysql. The mysql db has user related info stored in it.█
```

```
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[mysql> use mysql;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> The use statement allows us to "USE" a particular db
```

```
[mysql> show tables;
```

```
+-----+
| Tables_in_mysql |
+-----+
| columns_priv    |
| db              |
| engine_cost     |
| event           |
| func            |
| general_log     |
| gtid_executed   |
| help_category   |
| help_keyword    |
| help_relation   |
| help_topic      |
| innodb_index_stats |
| innodb_table_stats |
| ndb_binlog_index |
| plugin          |
| proc            |
| procs_priv      |
| proxies_priv    |
| server_cost     |
| servers         |
| slave_master_info |
| slave_relay_log_info |
| slave_worker_info |
| slow_log        |
| tables_priv     |
| time_zone       |
```

```
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| event
| func
| general_log
| gtid_executed
| help_category
| help_keyword
| help_relation
| help_topic
| innodb_index_stats
| innodb_table_stats
| ndb_binlog_index
| plugin
| proc
| procs_priv
| proxies_priv
| server_cost
| servers
| slave_master_info
| slave_relay_log_info
| slave_worker_info
| slow_log
| tables_priv
| time_zone
| time_zone_leap_second
| time_zone_name
| time_zone_transition
| time_zone_transition_type
| user
+-----+
31 rows in set (0.00 sec)

mysql> █
```

```
joe — joe@db-thegummibear: ~ — ssh jfrancom@ssh.cs.dixie.edu -L 6566:cordelia:6566 — 110x32
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mysql> get information about a table with the describe statement.█
```



```

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[mysql> describe user;
+-----+-----+-----+-----+-----+
| Field                | Type                | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| Host                 | char(60)            | NO   | PRI |          |       |
| User                 | char(32)            | NO   | PRI |          |       |
| Select_priv         | enum('N','Y')       | NO   |     | N        |       |
| Insert_priv         | enum('N','Y')       | NO   |     | N        |       |
| Update_priv         | enum('N','Y')       | NO   |     | N        |       |
| Delete_priv         | enum('N','Y')       | NO   |     | N        |       |
| Create_priv         | enum('N','Y')       | NO   |     | N        |       |
| Drop_priv           | enum('N','Y')       | NO   |     | N        |       |
| Reload_priv         | enum('N','Y')       | NO   |     | N        |       |
| Shutdown_priv       | enum('N','Y')       | NO   |     | N        |       |
| Process_priv        | enum('N','Y')       | NO   |     | N        |       |
| File_priv           | enum('N','Y')       | NO   |     | N        |       |
| Grant_priv          | enum('N','Y')       | NO   |     | N        |       |
| References_priv     | enum('N','Y')       | NO   |     | N        |       |
| Index_priv          | enum('N','Y')       | NO   |     | N        |       |
| Alter_priv          | enum('N','Y')       | NO   |     | N        |       |
| Show_db_priv        | enum('N','Y')       | NO   |     | N        |       |
| Super_priv          | enum('N','Y')       | NO   |     | N        |       |
| Create_tmp_table_priv | enum('N','Y')       | NO   |     | N        |       |
| Lock_tables_priv    | enum('N','Y')       | NO   |     | N        |       |
| Execute_priv        | enum('N','Y')       | NO   |     | N        |       |
| Repl_slave_priv     | enum('N','Y')       | NO   |     | N        |       |
| Repl_client_priv    | enum('N','Y')       | NO   |     | N        |       |
| Create_view_priv    | enum('N','Y')       | NO   |     | N        |       |
| Show_view_priv      | enum('N','Y')       | NO   |     | N        |       |
| Create_routine_priv | enum('N','Y')       | NO   |     | N        |       |
+-----+-----+-----+-----+-----+

```



```
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atlas@desdemona: ~ — ssh + ssh yavin ...  joe@db-thegummibear: ~ — ssh jfrancom@...  ~/Desktop — -bash
[mysql> SELECT Host,User FROM user;
+-----+-----+
| Host      | User          |
+-----+-----+
| localhost | debian-sys-maint |
| localhost | mysql.sys     |
| localhost | root          |
+-----+-----+
3 rows in set (0.00 sec)

mysql> retrieves particular rows above!
```

```
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31 rows in set (0.00 sec)

[mysql> describe db;

+-----+-----+-----+-----+-----+-----+
| Field                | Type                | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Host                 | char(60)            | NO   | PRI |          |       |
| Db                   | char(64)            | NO   | PRI |          |       |
| User                 | char(32)            | NO   | PRI |          |       |
| Select_priv          | enum('N','Y')       | NO   |     | N        |       |
| Insert_priv          | enum('N','Y')       | NO   |     | N        |       |
| Update_priv          | enum('N','Y')       | NO   |     | N        |       |
| Delete_priv          | enum('N','Y')       | NO   |     | N        |       |
| Create_priv          | enum('N','Y')       | NO   |     | N        |       |
| Drop_priv            | enum('N','Y')       | NO   |     | N        |       |
| Grant_priv           | enum('N','Y')       | NO   |     | N        |       |
| References_priv      | enum('N','Y')       | NO   |     | N        |       |
| Index_priv           | enum('N','Y')       | NO   |     | N        |       |
| Alter_priv           | enum('N','Y')       | NO   |     | N        |       |
| Create_tmp_table_priv | enum('N','Y')       | NO   |     | N        |       |
| Lock_tables_priv     | enum('N','Y')       | NO   |     | N        |       |
| Create_view_priv     | enum('N','Y')       | NO   |     | N        |       |
| Show_view_priv       | enum('N','Y')       | NO   |     | N        |       |
| Create_routine_priv  | enum('N','Y')       | NO   |     | N        |       |
| Alter_routine_priv   | enum('N','Y')       | NO   |     | N        |       |
| Execute_priv         | enum('N','Y')       | NO   |     | N        |       |
| Event_priv           | enum('N','Y')       | NO   |     | N        |       |
| Trigger_priv         | enum('N','Y')       | NO   |     | N        |       |
+-----+-----+-----+-----+-----+-----+
22 rows in set (0.00 sec)

mysql> █
```

```
joe — joe@db-thegummibear: ~ — ssh jfrancom@ssh.cs.dixie.edu -L 6566:cordelia:6566 — 110x32
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```

User	char(32)	NO	PRI		
Select_priv	enum('N','Y')	NO		N	
Insert_priv	enum('N','Y')	NO		N	
Update_priv	enum('N','Y')	NO		N	
Delete_priv	enum('N','Y')	NO		N	
Create_priv	enum('N','Y')	NO		N	
Drop_priv	enum('N','Y')	NO		N	
Grant_priv	enum('N','Y')	NO		N	
References_priv	enum('N','Y')	NO		N	
Index_priv	enum('N','Y')	NO		N	
Alter_priv	enum('N','Y')	NO		N	
Create_tmp_table_priv	enum('N','Y')	NO		N	
Lock_tables_priv	enum('N','Y')	NO		N	
Create_view_priv	enum('N','Y')	NO		N	
Show_view_priv	enum('N','Y')	NO		N	
Create_routine_priv	enum('N','Y')	NO		N	
Alter_routine_priv	enum('N','Y')	NO		N	
Execute_priv	enum('N','Y')	NO		N	
Event_priv	enum('N','Y')	NO		N	
Trigger_priv	enum('N','Y')	NO		N	

22 rows in set (0.00 sec)

```
[mysql> select User,Host,Db from db;
+-----+-----+-----+
| User      | Host      | Db      |
+-----+-----+-----+
| mysql.sys | localhost | sys     |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql> █
```

```
joe — joe@db-thegummibear: ~ — ssh jfrancom@ssh.cs.dixie.edu -L 6566:cordelia:6566 — 110x32
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[mysql> quit
Bye
joe@db-thegummibear:~$ █
```