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SAT3210
Assignment 4
Nov 14, 2021

1. **insert into instructor ID, name, dept_name, salary**

```
add_instructor = ("INSERT INTO instructor "
                  "(ID, name, dept_name, salary) "
                  "VALUES (%s, %s, %s, %s)")
)
data_instructor = ('99999', 'Ian', 'Math', 100000)

cursor.execute(add_instructor, data_instructor)
cnx.commit()
```

I tested to make sure this worked in Question 3

2. **select * from relation_name**

```
query = ("SELECT * FROM takes")

cursor.execute(query)
takes = cursor.fetchall()
```

```
main ×
(  ,  ,  ,  ,  ,  )
('99977', '571', '1', 'Spring', Decimal('2004'), 'C+')
('99977', '599', '1', 'Spring', Decimal('2003'), 'A-')
('99977', '626', '1', 'Fall', Decimal('2006'), 'C-')
('99977', '679', '1', 'Spring', Decimal('2010'), 'A-')
('99977', '704', '1', 'Spring', Decimal('2008'), 'C-')
('99977', '791', '1', 'Spring', Decimal('2006'), 'A+')
('99977', '795', '1', 'Spring', Decimal('2004'), 'C+')
('99977', '802', '1', 'Spring', Decimal('2003'), 'A-')
('99977', '867', '1', 'Fall', Decimal('2006'), 'A+')
('99977', '960', '1', 'Fall', Decimal('2009'), 'A ')

Process finished with exit code 0
```

There were a lot of tuples, so this is only the last handful or so.

3. **select * from relation_name where "condition"**

```
selectwhere = ("SELECT * FROM instructor "
                "WHERE ID = 99999")

cursor.execute(selectwhere)
ian = cursor.fetchall()
print(ian)
```
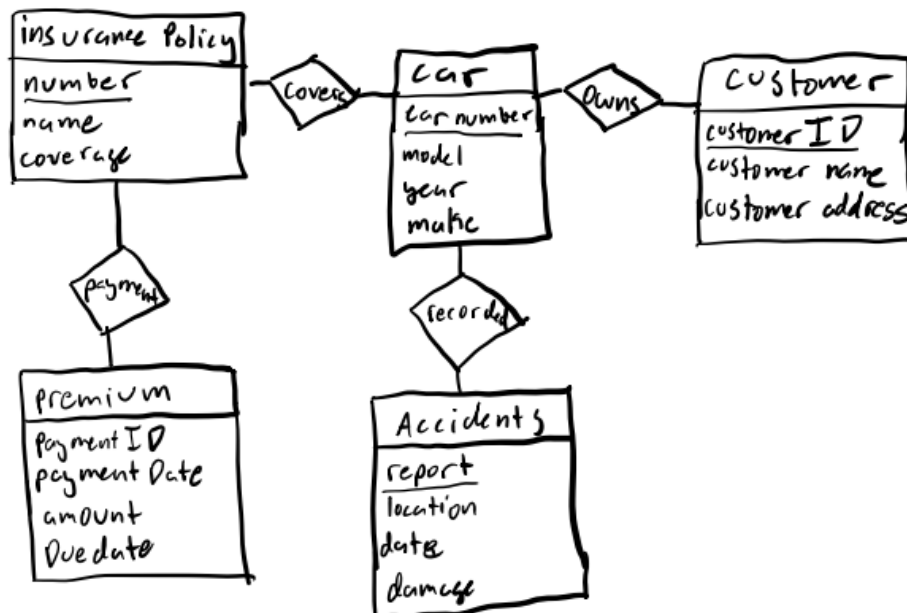
```
[('99999', 'Ian', 'Math', Decimal('100000.00'))]

Process finished with exit code 0
```
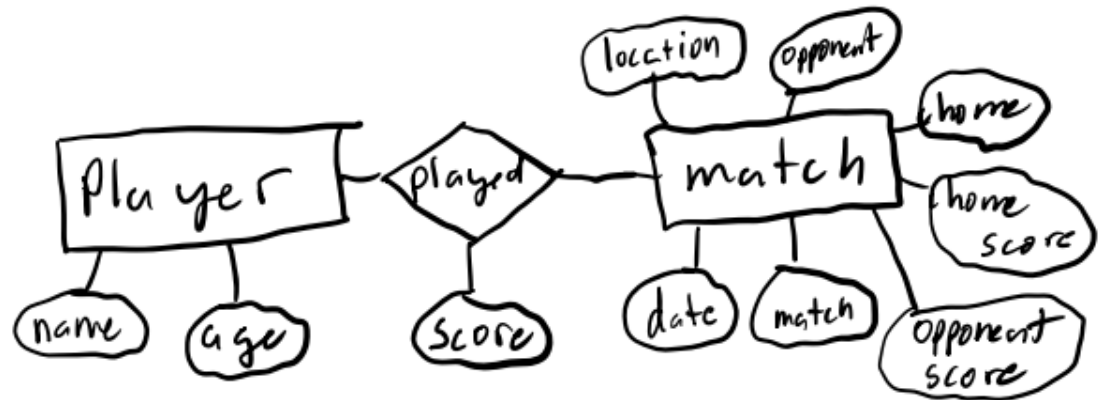
4.

6.1

5.

6.3

6. The primary difference between a weak and strong entity set is that a strong entity set contains a primary key. Instead of a primary key, a weak entity set only contains keys that are used to differentiate between the sets tuples.