**SELECT** \*

**FROM** FRIEND\_NAME

**WHERE** FRIEND\_ID >= 8 **AND** FRIEND\_ID <= 10

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FRIEND\_ID** | **FIRST\_NAME** | **MIDDLE\_NAME** | **LAST\_NAME** | **GENDER** |
| 8 | inserted | - | row1 | M |
| 9 | inserted | - | row2 | M |
| 10 | Elaina(Yaogui) | - | Huang | F |

**SELECT** \*

**FROM** PHONE\_NUMBER

**WHERE** PHONE\_ID >= 9 **AND** PHONE\_ID <= 11

|  |  |  |  |
| --- | --- | --- | --- |
| **PHONE\_ID** | **COUNTRY\_CODE** | **AREA\_CODE** | **PHONE\_NUMBER** |
| 9 | 1 | 646 | 6364584 |
| 10 | 1 | 518 | 1001000 |
| 11 | 1 | 123 | 1231234 |

**SELECT** \*

**FROM** ADDRESS

**WHERE** ADDRESS\_ID >= 4 **AND** ADDRESS\_ID <= 5

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ADDRESS\_ID** | **APARTMENT** | **HOUSE\_NO** | **STREET** | **CITY** | **STATE** | **ZIPCODE** |
| 4 | - | - | 140 W. 62nd Street | New York City | New York | 10023 |
| 5 | - | - | 45 Park Lane | Jersey City | New Jersey | 7310 |

**SELECT DISTINCT** ad.zipcode, ad.state, ad.city, ad.apartment, ad.house\_no, ad.street，p.phone\_number

**FROM** FRIEND\_PHONE FP, FRIEND\_ADDRESS FAD, ADDRESS AD, PHONE\_NUMBER P, FRIEND\_NAME FN

**WHERE** FP.FRIEND\_ID = FAD.FRIEND\_ID **AND** FAD.ADDRESS\_ID = AD.ADDRESS\_ID

**AND** P.PHONE\_ID = FP.PHONE\_ID

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ZIPCODE** | **STATE** | **CITY** | **APARTMENT** | **HOUSE\_NO** | **STREET** | **PHONE\_NUMBER** |
| NY 10014 | NEW YORK | NEW YORK | 14 | 5 | Morton Street | 5553734 |
| NY 10014 | NEW YORK | NEW YORK | 14 | 5 | Morton Street | 5553847 |
| NY 10014 | NEW YORK | NEW YORK | 20 | 90 | Bedford Street | 5555467 |
| NY 10014 | NEW YORK | NEW YORK | 19 | 90 | Bedford Street | 5555467 |
| NY 10014 | NEW YORK | NEW YORK | 20 | 90 | Bedford Street | 5556567 |
| NY 10014 | NEW YORK | NEW YORK | 20 | 90 | Bedford Street | 5554444 |
| NY 10014 | NEW YORK | NEW YORK | 20 | 90 | Bedford Street | 5554569 |
| NY 10014 | NEW YORK | NEW YORK | 19 | 90 | Bedford Street | 5554569 |
| 7310 | New Jersey | Jersey City | - | - | 45 Park Lane | 1231234 |
| 10023 | New York | New York City | - | - | 140 W. 62nd Street | 1001000 |
| NY 10014 | NEW YORK | NEW YORK | 19 | 90 | Bedford Street | 5550123 |
| NY 10014 | NEW YORK | NEW YORK | 19 | 90 | Bedford Street | 5556567 |

**SELECT DISTINCT** ad.zipcode, ad.state, ad.city, ad.apartment, ad.house\_no, ad.street，p.phone\_number, fn.first\_name, fn.last\_name

**FROM** FRIEND\_PHONE FP, FRIEND\_ADDRESS FAD, ADDRESS AD, PHONE\_NUMBER P, FRIEND\_NAME FN

**WHERE** FP.FRIEND\_ID = FAD.FRIEND\_ID AND FAD.ADDRESS\_ID = AD.ADDRESS\_ID

**AND** P.PHONE\_ID = FP.PHONE\_ID **AND** FN.FRIEND\_ID = FAD.FRIEND\_ID **AND** fn.first\_name **LIKE** 'E%'

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ZIPCODE** | **STATE** | **CITY** | **APARTMENT** | **HOUSE\_NO** | **STREET** | **PHONE\_NUMBER** | **FIRST\_NAME** | **LAST\_NAME** |
| NY 10014 | NEW YORK | NEW YORK | 14 | 5 | Morton Street | 5553847 | Elaina(Yaogui) | Huang |

**SELECT** fname.first\_name, fname.last\_name, ad.zipcode, ad.state, ad.city, ad.apartment, ad.house\_no, ad.street

**FROM** FRIEND\_NAME FNAME, ADDRESS AD, FRIEND\_ADDRESS FADS

**WHERE**

FNAME.FRIEND\_ID = FADS.FRIEND\_ID **AND**

FADS.ADDRESS\_ID = AD.ADDRESS\_ID **AND** ad.street **LIKE** '45%'

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **FIRST\_NAME** | **LAST\_NAME** | **ZIPCODE** | **STATE** | **CITY** | **APARTMENT** | **HOUSE\_NO** | **STREET** |
| inserted | row2 | 7310 | New Jersey | Jersey City | - | - | 45 Park Lane |

**SELECT** fname.first\_name, fname.last\_name, p.phone\_number

**FROM** FRIEND\_NAME FNAME, PHONE\_NUMBER P, FRIEND\_PHONE FP

**WHERE**

FNAME.FRIEND\_ID = FP.FRIEND\_ID **AND**

FP.PHONE\_ID = P.PHONE\_ID **AND** FNAME.FIRST\_NAME **LIKE** 'E%'

|  |  |  |
| --- | --- | --- |
| **FIRST\_NAME** | **LAST\_NAME** | **PHONE\_NUMBER** |
| Elaina(Yaogui) | Huang | 5553847 |