```
--enter path here
INSERT INTO addresses (street, city, country)
VALUES ('111 BAY STATE ROAD', 'BOSTON', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('111 VALLEY WAY', 'SAN FERNANDO', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('4545 ORACLE DRIVE', 'SAN FRANCISCO', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('22 GOLDEN GATE DRIVE', 'SAN FRANCISCO', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('77 ELM STREET', 'NEWARK', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('544 42ND STREET', 'NEW YORK', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('111 BEACHCOMBER PLACE', 'OCEANSIDE', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('25 MISSION WAY', 'SAN DIEGO', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('177 AIRPORT ROAD', 'NEWARK', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('5567 KNIGHTSBRIDGE COURT', 'LONDON', 'UK');
INSERT INTO addresses (street, city, country)
VALUES ('111 CRUISING WAY', 'TORTOLA', 'BVI');
INSERT INTO addresses (street, city, country)
VALUES ('45 KING STREET', 'OTTAWA', 'CANADA');
INSERT INTO addresses (street, city, country)
VALUES ('45555 BIG STREET', 'DALLAS', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('AVENUE CHAMPS-ELYSEES 456', 'PARIS', 'FRANCE');
INSERT INTO addresses (street, city, country)
VALUES ('562 HOCKEY STREET', 'TORONTO', 'CANADA');
INSERT INTO addresses (street, city, country)
VALUES ('4242 MISTY LANE', 'SEATTLE', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('KUNGSGATAN 56', 'STOCKHOLM', 'SWEDEN');
INSERT INTO addresses (street, city, country)
VALUES ('11-882 KAMEHAMEHA HIGHWAY', 'HAWAII', 'USA');
INSERT INTO addresses (street, city, country)
VALUES ('333 SAN JUAN BLVD', 'SAN JUAN', 'PUERTO RICO');
INSERT INTO addresses (street, city, country)
VALUES ('7500 IMPERIAL BLVD', 'LOS ANGELES', 'USA');
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (1111, 'DIANE', 'BROWN', '(617)342-2345', 6173422345, 'F', '01-
FEB-1964', 'EN', 20);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='111 BAY STATE ROAD')
WHERE student id = 1111;
```

/* InsertCourse */

```
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (2299, 'CHRIS', 'ADAMS', '(213)334-2789', 2133342789, 'M', '22-
MAR-1965', 'EN', 30);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='7500 IMPERIAL BLVD')
WHERE student id = 2299;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (4568, 'KEVIN', 'COX', '(619)433-6845', 6194336845, 'M', '04-
DEC-1963', 'EN', 10);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='25 MISSION WAY')
WHERE student id = 4568;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
,date of birth, preferred language, company id)
VALUES (5556, 'JOHN', 'TYLER', '(212)444-9769', 2124449769, 'M', '13-
JUN-1966', 'EN', 20);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='544 42ND STREET')
WHERE student id = 5556;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (6874, 'NANCY', 'GIBBS', '(714)346-2896', 7143462896, 'F', '15-
JUL-1965', 'EN', 10);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='111 VALLEY WAY')
WHERE student id = 6874;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
,date of birth, preferred language, company id)
VALUES (6789, 'JENNY', 'ROSE', '(415)334-2345', 4153342345, 'F', '16-
SEP-1963', 'SW', 10);
```

UPDATE students SET address =

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(select ref(a) FROM addresses a
WHERE a.street='4545 ORACLE DRIVE')
WHERE student id = 6789;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (1199, 'FRANK', 'NELSON', '(609)345-2346', 6093452346, 'M',
'22-APR-1964', 'EN', 20);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='77 ELM STREET')
WHERE student id = 1199;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (6263, 'KEN', 'CRICK', '(415)345-2313', 4153452313, 'M', '14-
MAR-1965', 'EN', 50);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='22 GOLDEN GATE DRIVE')
WHERE student id = 6263;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (3452, 'NIGEL', 'TURNER', '(818)352-2511', 8183522511, 'M',
'16-FEB-1962', 'SW', 10);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='111 BEACHCOMBER PLACE')
WHERE student id = 3452;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
,date of birth, preferred language, company id)
VALUES (2346, 'CARL', 'DUDLEY', '(609)223-7890', 6092237890, 'M', '28-
NOV-1967', 'EN', 20);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='5567 KNIGHTSBRIDGE COURT')
WHERE student id = 2346;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (9842, 'MIKE', 'COOPER', '(713)726-9842', 7137269842, 'M', '18-
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```
OCT-1962', 'EN', 50);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='562 HOCKEY STREET')
WHERE student id = 9842;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
,date of birth, preferred language, company id)
VALUES (6901, 'LILY', 'GREEN', '(809)342-9621', 8093429621, 'F', '14-
MAY-1964', 'EN', 30);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='111 CRUISING WAY')
WHERE student id = 6901;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
,date of birth, preferred language, company id)
VALUES (7652, 'MARY', 'FRANKS', '(713)234-8521', 7132348521, 'F', '23-
DEC-1965', 'EN', 60);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='45 KING STREET')
WHERE student id = 7652;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (4631, 'JOE', 'FISHER', '(709)452-7392', 7094527392, 'M', '22-
NOV-1962', 'EN', 50);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='AVENUE CHAMPS-ELYSEES 456')
WHERE student id = 4631;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (3459, 'LARRY', 'MYERS', '(909)352-6216', 9093526216, 'M', '15-
AUG-1967', 'EN', 10);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='4242 MISTY LANE')
WHERE student id = 3459;
INSERT INTO students
(student id, student firstname, student surname, phone number,
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fax number, gender
,date of birth, preferred language, company id)
VALUES (6738, 'NICK', 'CARTER', '(808)238-2358', 8082382358, 'M', '17-
FEB-1964', 'EN', 20);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='11-882 KAMEHAMEHA HIGHWAY')
WHERE student id = 6738;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (8390, 'CAROL', 'WOOD', '(809)342-2345', 8093422345, 'F', '01-
MAR-1964', 'EN', 60);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='KUNGSGATAN 56')
WHERE student id = 8390;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (8872, 'DEBBY', 'ARCHER', '(980)247-\overline{2}349', 9802472349, 'F',
'01-SEP-1964', 'EN', 20);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='333 SAN JUAN BLVD')
WHERE student id = 8872;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (6474, 'PETER', 'HALL', '(707)843-2346', 7078432346, 'M', '22-
FEB-1965', 'EN', 10);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='45555 BIG STREET')
WHERE student id = 6474;
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (9835, 'PAUL', 'MARKS', '(706)343-2345', 7063432345, 'M', '16-
DEC-1964', 'EN', 20);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='177 AIRPORT ROAD')
WHERE student id = 9835;
```

```
INSERT INTO students
(student id, student firstname, student surname, phone number,
fax number, gender
, date of birth, preferred language, company id)
VALUES (7777, 'FRED', 'FLINTSTONE', '(747)987-6543', 7478882929, 'M',
'04-JUL-1904', 'FR', 70);
UPDATE students SET address =
(select ref(a) FROM addresses a
WHERE a.street='177 AIRPORT ROAD')
WHERE student id = 7777;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (835, 'SPARKS', 4000 , 200, 978, '16-DEC-1984');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='177 AIRPORT ROAD')
WHERE instructor id = 835;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (978, 'STEEL', 5000 , 250, 222, '16-JAN-1980');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='177 AIRPORT ROAD')
WHERE instructor id = 978;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (222, 'CAINE', 5500 , 350, NULL, '02-NOV-1976');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='333 SAN JUAN BLVD')
WHERE instructor id = 222;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (243, 'TUCKER', 2000, NULL, 835, '18-DEC-1990');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='11-882 KAMEHAMEHA HIGHWAY')
WHERE instructor id = 243;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (263, 'JOHNSON', 4000 , NULL, 835, '18-JUL-1992');
```

```
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='562 HOCKEY STREET')
WHERE instructor id = 263;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (515, 'SHELLEY', 3500, 200, 700, '20-JAN-1991');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='4242 MISTY LANE')
WHERE instructor id = 515;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (453, 'LODGE', 2500 , 100, 835, '14-SEP-1988');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='4242 MISTY LANE')
WHERE instructor id = 453;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (700, 'WAYNE', 4500, 300, NULL, '16-MAY-1981');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='AVENUE CHAMPS-ELYSEES 456')
WHERE instructor id = 700;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (628, 'MONROE', 3000, NULL, 700, '16-JUN-1984');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='5567 KNIGHTSBRIDGE COURT')
WHERE instructor id = 628;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (790, 'NEWMAN', 3100, 300, 700, '16-DEC-1982');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='544 42ND STREET')
WHERE instructor id = 790;
INSERT INTO instructors
```

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(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (795, 'BOGART', 3200 , NULL, 700, '16-DEC-1983');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='111 CRUISING WAY')
WHERE instructor id = 795;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (560, 'LAUREL', 5200 , 200, 978, '16-DEC-1983');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='333 SAN JUAN BLVD')
WHERE instructor id = 560;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (123, 'FLINTSTONE, FRED', 1000, NULL, 978, '16-JUN-1989');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='177 AIRPORT ROAD')
WHERE instructor id = 123;
INSERT INTO instructors
(instructor id, instructor name, salary, commission, mentor id,
date hired)
VALUES (111, 'BROWN', 1000 , NULL, 978, '16-JUN-1989');
UPDATE instructors SET address =
(select ref(a) FROM addresses a
WHERE a.street='111 BAY STATE ROAD')
WHERE instructor id = 111;
INSERT INTO subject areas VALUES (10, 'SYSTEMS');
INSERT INTO subject areas VALUES (20, 'LANGUAGES');
INSERT INTO subject areas VALUES (30, 'DBMS');
INSERT INTO subject areas VALUES (40, 'NETWORKS');
INSERT INTO courses VALUES (215, 'UNIX', 5, 1995, 10, NULL);
INSERT INTO courses VALUES (315, 'C++', 5, 1995, 20, NULL);
INSERT INTO courses VALUES (415, 'ADA', 3, 1500, 20, NULL);
INSERT INTO courses VALUES (515, 'ORACLE', 5, 1995, 30, NULL);
INSERT INTO courses VALUES (615, 'SYBASE', 3, 1200, 30, NULL);
INSERT INTO courses VALUES (115, 'DOS', 3, 500, 10, NULL);
INSERT INTO courses VALUES (715, 'VMS', 3, 995, 10, NULL);
INSERT INTO courses VALUES (815, 'NETWARE', 5, 1995, 40, NULL);
INSERT INTO courses VALUES (915, 'INFORMIX', 3, 1200, 30, NULL);
```

```
1, address type('3 PLACE DE CONCORDE', 'PARIS', 'FRANCE'),
classroom varray type (classroom type (1, 20, NULL),
                                classroom type (2, 24, NULL),
                                classroom type (3, 30, NULL)),
'EUROPE CTR');
INSERT INTO sites (site_id, address, classroom, location) VALUES (
2, address type('1600 PENNSYLVANIA', 'WASHINGTON', 'USA'),
classroom varray type (classroom type (1, 20, NULL),
                                classroom type (2, 24, NULL)),
'US EAST');
INSERT INTO sites (site id, address, classroom, location) VALUES (
3, address type('22 TRAFALGAR SQUARE', 'LONDON', 'UK'),
classroom varray type (classroom type (1, 20, NULL),
                                classroom type (2, 24, NULL),
                                classroom type (3, 24, NULL)),
'EUROPE WEST');
INSERT INTO sites (site id, address, classroom, location) VALUES (
4, address type('KUNGSGATAN 26', 'STOCKHOLM', 'SWEDEN'),
classroom varray type (classroom type (1, 20, NULL)),
'EUROPE NORTH');
INSERT INTO sites (site id, address, classroom, location) VALUES (
5, address type('343 ELM STREET','OTTAWA','CANADA'),
classroom varray type (classroom type (1, 20, NULL),
                                classroom type (2, 20, NULL),
                                classroom type (3, 20, NULL)),
'CANADA CTR');
INSERT INTO sites (site id, address, classroom, location) VALUES (
6, address type ('101 BOYLSTON STREET', 'BOSTON', 'USA'),
classroom varray type (classroom type (1, 20, NULL),
                                classroom type (2, 24, NULL)),
'US EAST');
INSERT INTO sites (site id, address, classroom, location) VALUES (
7, address_type('1010 SEPULVEDA','LOS ANGELES','USA'),
classroom varray type (classroom type (1, 20, NULL),
                                classroom type (2, 20, NULL),
                                classroom type (3, 20, NULL)),
'US WEST');
INSERT INTO sites (site id, address, classroom, location) VALUES (
8, address type('101 YOUNGE STREET', 'TORONTO', 'CANADA'),
classroom varray type (classroom type (1, 20, NULL),
                                classroom type (2, 24, NULL)),
'CANADA SOUTH');
INSERT INTO offerings
(offering id, course id, instructor id, site id, start date,
max no students)
VALUES (1001, 315, 700, 1, '16-DEC-1994', 24);
INSERT INTO offerings
(offering id, course id, instructor id, site_id, start_date,
```

```
max no students)
VALUES (1002, 315, 263, 3, '16-JUL-1995', 20);
INSERT INTO offerings
(offering id, course id, instructor id, site id, start date,
max no students)
VALUES (1003, 915, 560, 7, '23-NOV-1996', 30);
INSERT INTO offerings
(offering id, course id, instructor id, site id, start date,
max no students)
VALUES (1004, 215, 263, 2, '26-SEP-1995', 24);
INSERT INTO offerings
(offering id, course id, instructor id, site id, start date,
max no students)
VALUES (1005, 815, 978, 3, '15-OCT-1995', 20);
INSERT INTO offerings
(offering id, course id, instructor id, site id, start date,
max no students)
VALUES (1006, 915, 560, 4, '04-JAN-1996', 22);
INSERT INTO offerings
(offering id, course id, instructor id, site id, start date,
max no students)
VALUES (1007, 615, 453, 4, '30-SEP-1995', 30);
INSERT INTO offerings
(offering id, course id, instructor id, site id, start date,
max no students)
VALUES (1008, 515, 835, 5, '20-JUN-1995', 24);
INSERT INTO offerings
(offering id, course id, instructor id, site id, start date,
max no students)
VALUES (1009, 315, 790, 4, '21-JUN-1995', 24);
INSERT INTO offerings
(offering id, course id, instructor id, site id, start date,
max no students)
VALUES (1010, 315, NULL, 4, '30-AUG-1997', 24);
INSERT INTO attendance VALUES (1001, 1111, '01-JAN-02', 4, 1000);
INSERT INTO attendance VALUES (1002,2299, '05-JAN-02', NULL, 1000);
INSERT INTO attendance VALUES (1003,4568, '10-JAN-02', 3, 1200);
INSERT INTO attendance VALUES (1002,6789, '15-JAN-02', 4, 1150);
INSERT INTO attendance VALUES (1005, 9835, '25-JAN-02', 3, 1995);
INSERT INTO attendance VALUES (1006, 9842, '05-FEB-02', 4, 1000);
INSERT INTO attendance VALUES (1006,1199, '10-FEB-02', 4, 1200);
INSERT INTO attendance VALUES (1006,3452, '15-FEB-02', 2, 200);
INSERT INTO attendance VALUES (1007,8390, '20-FEB-02', 4, 1200);
INSERT INTO attendance VALUES (1007,6474, '25-FEB-02', 4, 900);
INSERT INTO attendance VALUES (1008,8390, '05-MAR-02', 4, 1000);
INSERT INTO attendance VALUES (1003,1199, '10-MAR-02', 4, 1000);
INSERT INTO attendance VALUES (1001,6738, '15-MAR-02', 4, 850);
INSERT INTO attendance VALUES (1001,5556, '20-MAR-02', 4, 1995);
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INSERT INTO attendance VALUES (1001,6263, '25-MAR-02', 1, 1995);
INSERT INTO attendance VALUES (1002,2346, '30-MAR-02', 4, 1995);
INSERT INTO attendance VALUES (1003,6901, '05-APR-02', 4, 1200);
INSERT INTO attendance VALUES (1003,7652, '10-APR-02', 4, 1200);
INSERT INTO attendance VALUES (1003, 4631, '15-APR-02', 3, 1200);
INSERT INTO attendance VALUES (1008, 3459, '20-APR-02', 4, 1995);
INSERT INTO attendance VALUES (1004,2299, '25-APR-02', 3, 1995);
INSERT INTO attendance VALUES (1004,6789, '30-APR-02', 4, 1995);
INSERT INTO attendance VALUES (1004,6263, '05-MAY-02', 4, 1995);
INSERT INTO attendance VALUES (1007, 9842, '10-MAY-02', 3, 1200);
INSERT INTO attendance VALUES (1007, 4631, '15-MAY-02', 3, 1200);
INSERT INTO attendance VALUES (1005,6738, '20-MAY-02', 4, 1000);
INSERT INTO attendance VALUES (1005, 3459, '25-MAY-02', 3, 1995);
INSERT INTO attendance VALUES (1006,6474, '30-MAY-02', 2, 1200);
INSERT INTO attendance VALUES (1006, 9835, '05-JUN-02', 4, 1000);
INSERT INTO attendance VALUES (1007, 9835, '10-JUN-02', 4, 1200);
INSERT INTO attendance VALUES (1009, 3459, '15-JUN-02', 3, 4000);
INSERT INTO invoices
(invoice number, company id, billing date, invoice item)
VALUES (10007, 30, '01-OCT-2002',
invoice item table type(
invoice item type ('GREEN', 'ORACLE', '15-JUL-1997', NULL, 1250),
invoice item type('ADAMS','UNIX','08-JUL-1997',NULL,1250)));
COMMIT;
```