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CS340
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Coffee Database Project Step 3

Data Definition Queries

```
CREATE TABLE `c_roaster` (  
  `roaster_id` int(11) PRIMARY KEY AUTO_INCREMENT NOT NULL,  
  `name` varchar(100) NOT NULL,  
  `city` varchar(100) NOT NULL,  
  `state` varchar(100) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
CREATE TABLE `c_roast` (  
  `roast_id` int(11) PRIMARY KEY AUTO_INCREMENT NOT NULL,  
  `roast` varchar(11) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
CREATE TABLE `c_coffee` (  
  `coffee_id` int(11) PRIMARY KEY AUTO_INCREMENT NOT NULL,  
  `name` varchar(100) NOT NULL,  
  `roaster` int(11) NOT NULL,  
  `roast` int(11) NOT NULL,  
  `description` varchar(255) DEFAULT NULL,  
  FOREIGN KEY (`roaster`) REFERENCES `c_roaster`(`roaster_id`) ON  
  DELETE CASCADE ON UPDATE CASCADE,  
  FOREIGN KEY (`roast`) REFERENCES `c_roast`(`roast_id`) ON DELETE  
  CASCADE ON UPDATE CASCADE  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
CREATE TABLE `c_origin` (  
  `origin_id` int(11) PRIMARY KEY AUTO_INCREMENT NOT NULL,  
  `country` varchar(100) NOT NULL,  
  `continent` varchar(100) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
CREATE TABLE `c_variety` (  
  `variety_id` int(11) PRIMARY KEY AUTO_INCREMENT NOT NULL,  
  `name` varchar(100) NOT NULL,  
  `description` varchar(255) DEFAULT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```

CREATE TABLE `c_coffee_origin` (
  `coffee_id` int(11) NOT NULL,
  `origin_id` int(11) NOT NULL,
  FOREIGN KEY (`coffee_id`) REFERENCES `c_coffee`(`coffee_id`) ON
  DELETE CASCADE ON UPDATE CASCADE,
  FOREIGN KEY (`origin_id`) REFERENCES `c_origin`(`origin_id`) ON
  DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```

CREATE TABLE `c_coffee_variety` (
  `coffee_id` int(11) NOT NULL DEFAULT '1',
  `variety_id` int(11) NOT NULL,
  FOREIGN KEY (`coffee_id`) REFERENCES `c_coffee`(`coffee_id`) ON
  DELETE CASCADE ON UPDATE CASCADE,
  FOREIGN KEY (`variety_id`) REFERENCES `c_variety`(`variety_id`)
  ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```

INSERT INTO `c_roast` (`roast_id`, `roast`)
VALUES
(1, 'light'),
(2, 'medium'),
(3, 'medium-dark'),
(4, 'dark');

```

```

INSERT INTO `c_roaster` (`roaster_id`, `name`, `city`, `state`)
VALUES
(1, 'keyboard', 'seattle', 'wa'),
(2, 'behemoth', 'portland', 'or'),
(3, 'unicorn', 'corvallis', 'or'),
(4, 'portrait', 'salem', 'or');

```

```

INSERT INTO `c_origin` (`origin_id`, `country`, `continent`)
VALUES
(1, 'kenya', 'africa'),
(2, 'brazil', 'south america'),
(3, 'ethiopia', 'africa'),
(4, 'india', 'asia');

```

```

INSERT INTO `c_variety` (`variety_id`, `name`, `description`)
VALUES
(1, 'arabica', 'most common variety'),
(2, 'burbon', NULL),
(3, 'liberica', 'bright, lemon flavor'),
(4, 'geisha', NULL);

```

```
INSERT INTO `c_coffee` (`coffee_id`, `name`, `roaster`, `roast`,  
`description`)  
VALUES  
(1, 'good morning', 1, 4, 'wake up your morning'),  
(2, 'espresso', 2, 4, 'the finest espresso'),  
(3, 'bicycle', 3, 1, 'like flying through clouds'),  
(4, 'golden flower', 3, 2, 'simply amazing'),  
(5, 'pitch black', 4, 4, 'the darkest roast you will ever  
have');
```

```
INSERT INTO `c_coffee_origin` (`coffee_id`, `origin_id`)  
VALUES  
(1, 3),  
(2, 4),  
(3, 1),  
(4, 1),  
(5, 2);
```

```
INSERT INTO `c_coffee_variety` (`coffee_id`, `variety_id`)  
VALUES  
(1, 3),  
(1, 4),  
(3, 2),  
(4, 3),  
(5, 1);
```