

## STUDENT ACTIVITY 6.2 KEY

MTA Course: Software Development Fundamentals

Topic: Understand database query methods

File name: SoftDevFund\_SA\_6.2\_Key

### Lesson Objective:

**6.2:** Understand database query methods.

### Directions to the student:

As a review of the concepts in this lesson, have the answers to Student Activity 6.1 available as a reference and then complete the following activities:

1. Read the questions and provide sample query statements to meet the intended purpose of each question.

### Content:

1. Write the query to select a list of all customers last name and first name from the CUSTOMER table.

```
SELECT LastName, FirstName FROM CUSTOMER
```

2. Write a query to select all data from the REFERRAL table.

```
SELECT * FROM REFERRAL
```

3. Write a query to select all column information from the JOB table where the amount paid is greater than \$1,000.

```
SELECT * FROM JOB WHERE AmountPaid > 0
```

4. Provide a list of customers who have an outstanding balance due > 0 (this requires a subquery).

```
SELECT * FROM CUSTOMER WHERE CustomerID IN (SELECT  
    CustomerId FROM JOB WHERE AmountDue>0)
```

5. Return a count of all customers.

```
SELECT CustomerID, COUNT(*) FROM CUSTOMER
```

6. Add a new customer to the customer table:

Samantha Smith, 123 South Main Street, 43202, 214-555-1212, 214-555-0909

**INSERT INTO CUSTOMER VALUES(Samantha, Smith, 123  
South Main Street, ,123 Main Street, 43202, 214-555-1212, 214-555-  
0909)**

**(Note: Since there is no information for the second address field,  
you must indicate that with two commas.)**