* Review Data Set
* Get number of elements in the list
* Get unique sale\_rep\_ids.
* Develop a function to get list of sale transactions where transaction amount is less than 500. Each element should be of type tuple.
* Exercise 1: Develop a function to get list of transactions with invalid commission percentage (negative or None). Each element should be of type tuple.
* Exercise 2: Develop a function to get list of transactions with commission amounts. Commission amount is equal to ("sale amount" \* "commission %") / 100. Each element should be of type tuple. Each tuple in the list should contain 5 elements. The list should not contain transactions with invalid commission % (negative or none).

Here are 10 multiple choice questions on Python:

1. Which of the following is NOT a valid data type in Python?

a) int

b) struct

c) float

d) boolean

Answer: b) struct

1. Which of the following is a valid way to declare a list in Python?

a) list = (1, 2, 3)

b) list = [1, 2, 3]

c) list = {1, 2, 3}

d) list = "1, 2, 3"

Answer: b) list = [1, 2, 3]

1. What does the "len" function in Python do?

a) returns the length of a list or string

b) converts a string to uppercase

c) converts a string to lowercase

d) None of the above

Answer: a) returns the length of a list or string

1. What does the following code print?

| x = 5 print("x is " + x) |
| --- |

a) x is 5

b) x is "5"

c) TypeError

d) None of the above

Answer: c) TypeError

1. What is the output of the following code?

| list = [1, 2, 3, 4, 5] print(list[2:4]) |
| --- |

a) [1, 2]

b) [2, 3]

c) [3, 4]

d) [3, 4, 5]

Answer: c) [3, 4]

1. What does the "append" method do in Python?

a) adds an element to the beginning of a list

b) adds an element to the end of a list

c) removes an element from a list

d) None of the above

Answer: b) adds an element to the end of a list

1. Which of the following is a valid way to declare a tuple in Python?

a) tuple = [1, 2, 3]

b) tuple = (1, 2, 3)

c) tuple = {1, 2, 3}

d) tuple = "1, 2, 3"

Answer: b) tuple = (1, 2, 3)

1. What does the "in" keyword do in Python?

a) checks if a value is in a list or tuple

b) checks if a string contains another string

c) assigns a value to a variable

d) None of the above

Answer: a) checks if a value is in a list or tuple

1. Which of the following is NOT a valid comparison operator in Python?

a) <

b) >

c) <=

d) %

Answer: d) %

1. What does the "range" function in Python do?

a) returns a list of numbers from 0 to the specified number

b) returns a list of numbers from the specified start to end

c) returns a list of odd numbers from the specified start to end

d) None of the above

Answer: b) returns a list of numbers from the specified start to end