1. What are the data items in the list called?

2. What would you use if an element is to be removed from a specific index?
   a. del statement
   b. remove method
   c. index method
   d. slice method

3. What method can be used to place an item in the list at a specific index?
   a. append
   b. index
   c. insert
   d. add

4. Which method would you use to determine whether a substring is present in a string?
   a. endwith(substring)
   b. find(substring)
   c. replace(string, substring)
   d. startswith(substring)

5. What is the value of the variable string after the execution of the following code?
   ```python
   string = 'Hello'
   string += ' world'
   ```

6. What would be the value of the variable list after the execution of the following code?
   ```python
   list = [1, 2, 3, 4]
   list[3] = 10
   ```

7. What would be the value of the variable list2 after the execution of the following code?
   ```python
   list1 = [1, 2, 3]
   list2 = list1
   list1 = [4, 5, 6]
   ```
8. Each character in a string has a(n) _______________ which specifies its position in the string.

9. Strings are _______________, which means that once a string is created, it cannot be changed.

10. A(n) _______________ is a span of characters that are taken from within a string.

11. The _______________ method returns true if the string contains only numeric digits.

12. The third number in string slicing brackets represents the _______________ value.

13. The _______________ function returns the item that has the lowest value in the sequence.

14. A(n) _______________ is an object that holds multiple items of data.

15. To concatenate two strings s1 and s2 into s3, use ________.

16. Given the string s=“Programming is fun”, answer the following questions.

   a. What is s[:2]?

   b. What is s[4:6]?

   c. What is len(s)?

   d. What is s.find(‘ram’)?

   e. What is s.startswith(‘m’)?

   f. What is s.replace(‘fun’, ‘awesome’)?

   g. What is s.lower()?
17. Write a function called `sumDigits` that takes in a string of numbers and returns the sum of all the single digits in the string. Example: string = “2514” returns 12 since $2+5+1+4 = 12$.

18. Write a function called `total_time` that takes in a string in the format “Hours:Minutes:Seconds” where Hours, Minutes and Seconds can be any number of digits, and it returns the total seconds in that time.
19. Write a function called `indexSmallest` that takes in a list of integers, and returns the index of the smallest integer in the list.

20. Write a function that takes in a list of integers and returns a list containing the counts of each number in the list from 0 to 99. Hint: You should create a new list called `counts` of all 0s of length 100. Then if you encounter a 5 in the list, `counts[5] += 1`.