

Introduction to Computing
CS 151 - ON60
Quiz 08 Solutions

- a. What is a pointer?

Solution:

a pointer is a reference variable

- b. Given that a double array named a with a size of 10 has been completely initialized, write a statement that assigns the product of the sum of the values of first and last elements of a times the value of the fifth element of a to a new variable.

Solution:

```
double b = (a[0] + a[9]) * a[4];
```

- c. What is dynamic memory?

Solution:

dynamic memory is explicitly allocated memory

- d. Write a statement that initializes a char array named ls that has a size 50 with the lowercase vowels in alphabetical order.

Solution:

```
char ls[50] = "aeiou"; OR char ls[50] = {'a','e','i','o','u'};
```

- e. Declare a readonly string pointer named alias.

Solution:

```
const string * alias; OR string const * alias;
```