



Intermediate RPG
152-116

Student Name _____
Score _____ / 10

Chapter 9

1 point for each correct answer.

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- _____ 1. Individual elements of an array can be directly referenced and manipulated using an element number or an %Elem.
- _____ 2. The only difference between compile-time arrays and tables and pre-runtime arrays and tables is that the array names cannot begin with **TAB**.
- _____ 3. The %Lookup function uses a technique called a binary search to improve performance for sequenced arrays. For those arrays defined without a sequence entry, %Lookup will perform a sequential search of the elements.
- _____ 4. The runtime array is so called because you load it with values during the course of program execution (i.e., at runtime); its values can also change while the program is running.
- _____ 5. You can directly reference and manipulate *individual* elements of an array using an **index**, or element number.

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question

- _____ 6. Obtaining its data from the program's source code, a compile time array must include this as a delimiter to explicitly identify the array whose date follows.
 - a. %Lookup.
 - b. index.
 - c. Overlay.
 - d. **Ctdata.
- _____ 7. To return a subset of an array use:
 - a. %Subst.
 - b. %Lookup.
 - c. %Subarr.
 - d. %Xfoot.

- _____ 8. Unlike table elements, you can directly reference and manipulate individual elements of an array using a(an):
- range table.
 - overlay.
 - Index.
 - array.
- _____ 9. Tables are used for one primary purpose:
- to look up data values.
 - to have the same length or number of decimal positions.
 - to define arrays and how to use them in different calculations.
 - to add even more dimensions to an array data structure.
- _____ 10. To know whether a value exists as an element in an array, but no need to access the element or know its location within the array, you can compare the %Lookup result to _____. If the index is greater following the lookup, it means that the value was found in the array.
- One.
 - Two.
 - Three.
 - Zero.