

• Questions

Answers to questions :

1. A structure brings together a group of
 - a. items of the same data type.
 - b. related data items.
 - c. integers with user-defined names.
 - d. variables.

2. True or false: A structure and a class use similar syntax.

3. The closing brace of a structure is followed by a _____.

4. Write a structure specification that includes three variables—all of type int—called hrs, mins, and secs. Call this structure time.

5. True or false: A structure declaration creates space in memory for a variable.

6. When accessing a structure member, the identifier to the left of the dot operator is the name of
 - a. a structure member.
 - b. a structure tag.
 - c. a structure variable.
 - d. the keyword struct.

7. Write a statement that sets the hrs member of the time2 structure variable equal to 11.

8. If you have three variables defined to be of type struct time, and this structure contains three int members, how many bytes of memory do the variables use together?

9. Write a definition that initializes the members of time1—which is a variable of type struct time, as defined in Question 4—to hrs = 11, mins = 10, secs = 59.

10. True or false: You can assign one structure variable to another, provided they are of the same type.

11. Write a statement that sets the variable temp equal to the paw member of the dogs member of the fido variable.

12. An enumeration brings together a group of

- a. items of different data types.**
- b. related data variables.**
- c. integers with user-defined names.**
- d. constant values.**

13. Write a statement that declares an enumeration called players with the values B1, B2, SS, B3, RF, CF, LF, P, and C.

14. Assuming the enum type players as declared in Question 13, define two variables joe and tom, and assign them the values LF and P, respectively.

15. Assuming the statements of Questions 13 and 14, state whether each of the following statements is legal.

- a. joe = QB;**
- b. tom = SS;**
- c. LF = tom;**
- d. difference = joe - tom;**

16. The first three enumerators of an enum type are normally represented by the values _____, _____, and _____.

17. Write a statement that declares an enumeration called speeds with the enumerators obsolete, single, and album. Give these three names the integer values 78, 45, and 33.

18. State the reason why

enum isWord{ NO, YES };

is better than

enum isWord{ YES, NO };