Chap 9 (Week 12)

組別

姓名 \_\_\_\_\_\_洪啟貿\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_蔡明翰\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

學號 \_\_\_109502517\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_109502555\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Employee STRUCT

IdNum BYTE "000000000" ; \_\_9\_\_\_\_

LastName BYTE 30 DUP(0) ; \_30\_\_\_

ALIGN WORD ; 1 byte added (align to the 16-bit (word) boundary)

Years WORD 0 ; \_\_2\_\_\_

ALIGN DWORD ; 2 bytes added

SalaryHistory DWORD 0,0,0,0,0 ; \_20\_\_\_

Employee ENDS

.data

worker Employee <>

RD\_Dept Employee 10 DUP(<>)

What value does each of the following expressions return?

TYPE Employee \_\_\_\_\_\_\_61\_\_\_\_\_\_\_

TYPE RD\_Dept \_\_\_\_\_\_61\_\_\_\_\_\_\_\_

SIZEOF Employee \_\_\_\_\_\_61\_\_\_\_\_\_\_\_\_

SIZEOF worker \_\_\_\_\_\_61\_\_\_\_\_\_\_

SIZEOF RD\_Dept \_\_\_\_\_\_\_610\_\_\_\_\_\_\_

LENGTHOF RD\_Dept \_\_\_\_10\_\_\_\_\_\_\_\_

TYPE Employee.SalaryHistory \_\_\_\_\_\_\_\_4\_\_\_\_\_\_

LENGTHOF Employee.SalaryHistory \_\_\_\_\_\_5\_\_\_\_\_\_\_\_\_\_

SIZEOF Employee.SalaryHistory \_\_\_\_\_\_20\_\_\_\_\_\_\_\_\_

TYPE Employee.Years \_\_\_\_\_2\_\_\_\_\_\_\_\_\_\_

TYPE worker. IdNum \_\_\_\_\_\_\_\_\_1\_\_\_\_\_\_