Test 1: Multiple Choice and Fill in the blanks.

Due No due date   **Points** 22   **Questions** 11
Available May 3 at 6:15pm - May 3 at 7pm about 1 hour   **Time Limit** 15 Minutes

This quiz was locked May 3 at 7pm.

Attempt History

	Attempt	Time	Score
LATEST	[Attempt 1](#)	10 minutes	16 out of 22

⚠ Correct answers are hidden.

Score for this quiz: **16** out of 22
Submitted May 3 at 6:40pm
This attempt took 10 minutes.

Question 1	2 / 2 pts

What is the mode of opening an existing File if some of its data records will be modified?

- ○ a
- ○ r
- ○ w+
- ○ r+w
- ◉ r+

Question 2　　　　　　　　　　　　　　　　　　　2 / 2 pts

Given the definition and declaration:

```
typedef struct Customer{
    int cust_ID;
    char custName[50];
    double balance;
}Customer;
typedef struct node{
    Customer cust;
    struct node* next;
}*LL, ctype;

LL list;
```

If trav points to list, which of the following is an appropriate declaration of trav?

○ list *trav;

○ LL trav;

○ struct node *trav;

◉ LL *trav;

○ struct node *trav;

○ ctype *trav;

Question 3　　　　　　　　　　　　　　　　　　　0 / 2 pts

Given the definition and declaration:

```
typedef struct Customer{
    int cust_ID;
    char custName[50];
    double balance;
}Customer;
```

```
typedef struct node{
    Customer cust;
    struct node* next;
 }*LL, ctype;

LL list;
```

If trav points to list, how is the 2nd element accessed using trav ?

○ &(*trav)->(*next).cust

◉ &(*trav)->next->cust

○ (*trav)->next->cust

○ (*trav)->next.cust

Question 4   2 / 2 pts

Given the definition and declaration:

```
typedef struct Customer{
    int cust_ID;
    char custName[50];
    double balance;
}Customer;
typedef struct node{
    Customer cust;
    struct node* next;
 }*LL, ctype;

LL list;
```

How many bytes are allocated to list in DevC++?

8

Question 5 *   0 / 2 pts

Write the most appropriate fopen() function call based on the following specific task.

Task: Read the contents of the external data file named market.stk using the internal/logical file name internal_file. Note: Do not put any space in your answer.

fopen("market.stk","r");

Question 6

2 / 2 pts

The function malloc() is defined in what header file?

stdlib

Question 7

2 / 2 pts

What function in C returns back to the heap the dynamically allocated memory?

- ○ memRelease()

- ○ memReturn()

- ● free()

- ○ deallocate()

○ delete()

Question 8   2 / 2 pts

Given the data structure definition

```
typedef struct node {
    int data;
    struct node *link;
}List;
```

What data type is equivalent to data type **List** ?

struct node

Question 9   2 / 2 pts

What is the integer equivalent of the origin SEEK_SET ?

0

Question 10   2 / 2 pts

Write the most appropriate fopen() function call based on the following specific task.

Task: Append 10 data records to the external data file named history.log using the internal/logical file name internal_file. Note: Do not

put any space in your answer.

internal_file=fopen("history.log","a");

Question 11

0 / 2 pts

Which of these statements about linked list is false?

○ Elements are not stored at contiguous memory locations

○ Linked list pointer variable is stored in the execution stack, and not in the heap memory.

◉ A self-referenced structure is necessary in a linked list.

○ Random access of elements can be performed in a linked list.

Quiz Score: **16** out of 22