CS1050 -- C Programming Quiz 7 SPRING 2016  
Use the following C program to answer the next several questions. All answers on the attached sheet.

Examine the following code and answer the questions below. IGNORE COMPILE ERRORS!

1. #include <stdio.h>
2. #define RESPONSE\_SIZE 40
3. #define FREQUENCY\_SIZE 11
4. int main ( void )
5. {
6. int answer, rating, x=5;
7. int frequency[ FREQUENCY\_SIZE ] = { 0 }; Every element in this array has been initialized to 0
8. int responses[ RESPONSE\_SIZE ] = { 1, 2, 6, 4, 8, 5, 9, 7, 8, 2, 10, 2, 4, 4, 5, 9, 10, 2, 3, 1, 6, 8, 7, 8,
9. 5, 7, 9, 3, 1, 1, 2, 5, 4, 7, 8, 7, 6, 5, 9, 10} ; ( This shows how many times that each value is chosen.
10. int checkit [ 3 ] [ 3 ] = { { 10, 8, 9 }, { 2, 4, 7 }, {5, 4, 9 } } ;

10,8,9

2,4, 7

5,4,9

1. for ( answer = 0; answer < RESPONSE\_SIZE; answer++) {
2. ++frequency[ responses [ answer ] ] ; Answer is bumps every time
3. }
4. for ( rating = 1; rating < FREQUENCY\_SIZE; rating++ ) {
5. printf( “%6d%17d\n”, rating, frequency[ rating ] ); // ignore. It is just the printing sequence
6. {
7. printf (“%d”, frequency [ x ] );
8. int fred = doThis( checkit, 1);
9. return 0;
10. }
11. \_\_\_ doThis( a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_ sue) {
12. printf(“%d”, a[ 2 ] [ 2 ] ) ;
13. int i, tom = 0;
14. for ( i = 0; i < 3, i++ ) {
15. tom += a [ i ] [ sue ];
16. }
17. return tom;
18. }  
     Answer the questions below regarding the code above:  
     1. how many elements are in the array “checkit” – BE CAREFUL! 9  
     2. what value does the printf() on line 17 display?

This question is bascicaly how many times will the vale x which is 5 print ……. 5

3. what are the array INDEX values in the LAST element of array checkit ?

[2][2]

4. fill in all the missing information on line 21 based on the function call on line 18.

int doThis( int a[][3] , int sue)

5. What will the printf() on line 22 display? 9

6. How many **different** functions are **used or defined** in the code above ?

Main

Printf

doThis

7. What will be the value of “fred” on line 18 when “checkit()” finishes?

A[i], sue ………. 16

8. T / F there is a nested “for” loop in the code above

1) char fred [ ] = “I love C”;

2) int i = 0;

3) for ( i = 2; i < 6; i++) {

4) printf( “%c”, fred[i];

5) }

Answer the questions below regarding the code above:  
 9. What will the printf() on line 4 display?

l

10. How many characters will be in the array “fred[]” on line 1?

9 we counts the spaces an nt forget the null terminator.

**CS1050 QUIZ 7 -- ANSWERS NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SPRING 2016 LAB \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1) \_\_\_\_\_\_\_\_\_\_\_\_\_

2) \_\_\_\_\_\_\_\_\_\_\_\_\_   
  
  
   
3) [ ] [ ]

4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ doThis ( a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sue )   
  
  
  
 5) \_\_\_\_\_\_\_\_\_\_\_\_\_

6) \_\_\_\_\_\_\_\_\_\_\_\_\_  
  
  
  
 7) \_\_\_\_\_\_\_\_\_\_\_\_

8) T / F

9) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10) \_\_\_\_\_\_\_\_\_\_\_