
Problem	Question	Choices	Answer
1	To create an input or output file stream, which	a) #income <iostream></iostream>	
	header file must you include?	b) #include <fstream></fstream>	
		c) #include <iomanip></iomanip>	
		d) #include <cassert></cassert>	
2	How do you open a file stream to write to a file	a) Ifstream f("data.txt");	
	called "data.txt"?	b) ofstream f("data.txt");	
		c) fin f("data.txt");	
		d) fout f("data.txt");	
3	What is the best loop to use to read each word in	a) while loop	
3	a file?	b) do while loop	
	a nie:	c) for loop	
		<u> </u>	
1		d) random loop	
4	Which of the following will read a single word	a) fileIn.read(x);	
	from a file using a stream called "fileIn"?	b) fileIn.write(x);	
	Ğ	c) fileIn >> x;	
		d) fileIn << x;	
5	Which function can be called to check if a file does	a) fail()	
	not exist?	b) close()	
		c) error()	
		d) clear()	
6	When reading a file using a stream called "fin",	a) fin << text	
Ü	what boolean condition would use to read one	b) !fin >> text	
	word at a time into a variable text:	c) text != 0	
	word at a time into a variable text.	d) fin >> text	
	while (??)	u) IIII >> text	
	Wille (\: : : >)		
	// Do compething with the variable toyt		
	// Do something with the variable text }		
7	Which of the following will result in a compiler	a) int data[5];	
	error?	b) int data[];	
		c) int data[] = {1, 2, 3, 4, 5};	
		d) int data[5] = {1, 2, 3, 4, 5};	
8	Which statement will set the second element of	a) data[2] = 14;	
	an integer array of size 10?	b) data + 2 = 14;	
		c) data[1] = 14;	
		d) data + 1 =14;	

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9	What is the best loop to traverse an array of doubles?	a) while loopb) do while loopc) for loopd) random loop	
10	Which of the following is not a true statement about character arrays?	 a) You can print out an entire character array using cout. b) You can read in an entire character array using cin. c) Compiler will add a NULL character at the end of text. d) You can compare two char arrays using == 	
11	What is the maximum length of a word that can fit into char word[256]?	a) 254 b) 255 c) 256 d) 257	
12	What while loop would you most likely use to traverse char data[100]?	a) while (data) b) while (data[i] != 0) c) while (data[i] == 0) d) while (!data)	
13	Which of the following statements is false?	 a) Passing an array of integers does not require an array size parameter. b) Passing an array of characters does not require an array size parameter. c) Passing an array is done by reference. d) When passing an array, the address to the first element of the array is passed to the function. 	
14	How do you declare an array of 20 words where each word is no more than 40 characters long (including the NULL character)?	a) char[20] data[40]; b) char[40] data[20]; c) char data[40][20]; d) char data[20][40];	
15	What function declaration would be used to receive an array of 10 where each element has an array of 5 integers within it?	 a) void process(int data[][5], int size) b) void process(int data[][], int size) c) void process(int data[10][5], int size) d) void process(int data[][10], int size) 	

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16	What is wrong with this code?	a) Wrong type of loop is used to	
		traverse the array	
	int data[5] = {1, 1, 2, 3, 5};	b) Incorrect initialization of the data	
	for (int i=1; i<=5; i++)	array	
	{	c) Array accessed out of bounds	
	cout << data[i] << " ";	d) Will not compile	
	}		
17	If you have an array of 50 words where each word	a) data[3][10]	
	is no more than 20 characters long (including the	b) data[10][3]	
	NULL character), how would you access the 3 rd	c) data[9][2]	
	character of the 10 th word?	d) data[2][9]	
		,	
18	How would you obtain the address of a variable x?	a) *x	
		b) &x	
		c) x*	
		d) ^x	
19	What is the output of this code?	a) 0	
		b) 17	
	int x = 17;	c) 18	
	int y = 18;	d) 1	
	int *xPtr = &x		
	int *yPtr = &y		
	*xPtr = *yPtr - y;		
	cout << x;		
20	If you have the following code:	a) *ptr = value;	
	,	b) ptr = &value	
	int *ptr = 0;	c) ptr++;	
	int value = 5;	d) value;	
	which of the following will create a segmentation		
	fault?		
21	What is the output of the following code:	a) 9	
	Time is the output of the following code.	b) 7	
	int data[6] = {9, 7, 5, 3, 1, -1};	c) 5	
	cout << *(data + 2);	d) 3	
	(555)		
22	Which of the following statements is true about	a) x[i] is the same as *x+i	
	the relationship between arrays and pointers?	b) x[i] is the same as *(x+i)	
		c) x[i] is the same as &x+i	
		d) x[i] is the same as &(x+i)	

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23	When traversing a char array using a pointer, what boolean condition would you put in the loop? char text[] = "Unit Test 3"; char *pos = text; while (??) { cout << *pos; pos++; }	a) !pos b) pos == 0 c) *pos > 0 d) *pos != 0	
24	<pre>What is the output of the following code: int x = 1; int y = -1; int *ptr; if (x > y) { ptr = &x } else { ptr = &y } cout << *ptr;</pre>	a) 1 b) -1 c) Random address value d) Compiler Error	
25	If the length of an array is stored in a variable called "size", which of the following would give you the value of the last element of the array?	 a) *(array + size) b) *(array + size - 1) c) *(array + size + 1) d) *array + size 	
26	For the following code: int x = 5; which of the following would not result in a compiler error?	 a) int *x = &x b) float *y = &x c) int *z = &x d) char *w = &x 	
27	For the following character array: char school[10] = "BYU-I"; what is the address of the letter 'U'?	a) school b) *school+2 c) *(school+2) d) school+2	

Problem	Question	Choice	s	Answer
28	If the variable "selection" is equal to 2, then what	a)	abcd	
	would the output of the following code be:	b)		
		-	bc	
	switch(selection)	d)	bcd	
	{			
	case 0:			
	case 1:			
	cout << "a";			
	break;			
	case 2:			
	cout << "b";			
	case 3:			
	cout << "c";			
	break; default:			
	cout << "d";			
	courter u ,			
	3			
29	Which of the following is true about case labels	a)	Case labels can contain variables	
	within a switch statement?	b)	Case labels can be a single	
			character	
		c)	Case labels can be floats	
		d)	Case labels can define a range using	
			a comma	
30	Which statement is equivalent to:	a)	y = (x > 5) ? 2 * x : 3 * x;	
			y = (x > 5) ? 3 * x : 2 * x;	
	If $(x > 5)$	c)	y = (x > 5) : 2 * x ? 3 * x;	
	{	d)	y = (x > 5) : 3 * x ? 2 * x;	
	y = 2 * x;			
	}			
	else			
	{			
	y = 3 *x;			
	}			