Homev	vork Unit 7 – Arrays	Name:
Forp	problems 1–6 fill in the blanks for each	ch:
1.	A lists of values can be stored in a(n)	<u>_</u> .
2.	The elements of an array are related by the fac	t that they have the same
3.	The number used to refer to a particular eleme	ent of an array is called its
4.	The indices of an array start at index	·
5.	Arrays are included in a group of objects that of	contain data known as
6.	To traverse every element of an array, the mos	et common practice would be to use a
For p	oroblems 7-11 state whether the statemen	nt is true or false . If false explain.
7.	An array can store many different types of value	ues
8.	An array that has 5 elements can easily be char	
9.	To refer to a particular location or element wit	hin an array, we specify the name of the
	array and the value of the particular element.	
10.	To indicate that 100 locations should be reserved.	rved for integer array p, we must write
	int p[100];	
11.	A sketch that initializes the elements of a 15-elements	lement array to zero <i>must</i> contain a

for () statement.

14.	Create a constant SIZE and set its value to 10.
13.	Define the array fractions with size 35 and elements of type float and initialize the elements to 0.
14.	Assign the value 1.667 to fractions array element nine.
15.	Retrieve the 9 th element and set fractions array element 10 to array element 9 plus 1.
16.	Assign the value 3.333 to the seventh element of the array fractions.
17.	Write a part of a short sketch that will print all the elements of the array fractions to the serial monitor in a column format. Use a for() loop for your repetition structure.

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SIZE = 10;

19. #define MYVALUE = 300

20. Assume:

int b[10] = {0};

for(int i = 0; i <= 10; i++) b[i] = 1;
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21. Write a short sketch, include setup() and loop(), that will create an array to save only the even valued integers from 2 through 22. Use a for loop to assign those values to the array positions 0 through 10. Print the values from that array to the serial monitor all on one line with a space between each integer.

Now write a second short sketch to take in 10 integers as input from the serial monitor and then print the values out, one line per value.

Feacher Signature:	
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