C Programming

Tutorial 5

1.	Do you see any problems from the following statements?
cha	ar a1[] = "ABCD", a2[] = "abcdef", a3[] = "12345";
strcpy(a1, a2);	
strcat(a2, a3);	
2.	Do you think the following code would work?
cha	ar *p;
stro	сру(р, "123");
3.	Do you see any problem with the following code?
char *p;	
*p = malloc(8);	
4.	When you need a large amount of memory for, e.g., an array, what issues do you need
	to consider?
5.	When you freed the memory pointed to by p, what would be the value of p?

6. In function func(), you have the following code:	
int *p;	
p = malloc(80);	
Since p is local to func(), do you really need to do free(p)?	
7. Give a statement, which asks for memory space for an array of n ints using malloc().	
8. The following statement is correct. But, do you see any potential problems with it?	
ptr = realloc(ptr, 20 * sizeof(int));	