

Name:

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### Address syntax

```
char s[3] = "Yo";
char* t = "Mi";
int u[3] = {5, 6, 7};
int n = 8;
```

```
char c = 'M';
// c
```

```
// *c error
```

$t[1] \rightarrow 'i'$   $\&(t[1]) \rightarrow$  address of second element

Write the type of each of the following:

	C expression	in words
1	s	array of 3 characters
2	t	address of a character
3	u	array of 3 integers
4	&n	address of n
5	*(&n)	n or value of n
6	*t	value at t ('M')
7	t[0]	value at t ('M') (first element of t)
8	&(t[0])	address of the first element of t
9	s[0]	first element of s
10	&(s[0])	address of the first element of s
11	*(&(s[0]))	first element of s
12	&(t[1000000000])	char*

A few of these expressions would not work as is.