



return addptr; // This returns 500X

Note: After the function returns to the main method, every variable that's local to add() will be destroyed.

Where is sum in memory??

Array as argument visual

main()

	0	1	2
Cookies	2	4	5
	100x	104x	108x

Sum_Arr(Cookies, 3)

what's getting
passed as an
argument exactly?

- It gets passed in the address of the first element. [You are not sending the whole array] This is called the "base address"

- This means you can do something like this;

```
int *a = cookies;
```

sum_arr(a, size);

Since the add method has a pointer as a parameter like this;

```
void add(int C3 arr, int len)
```

Can you do something like this??

arr++;?

The Answer is No, you cannot perform Arithmetic on this type of pointer. It is a constant pointer.

But, if you can pass in a non-constant

pointer as an argument like so;

```
int *b = arr;
```

```
void add (*b, int len);
```

now you can do arithmetic on that
pointer