

$a[3], a[4]$;

or

```
for (i = 0; i < 5; i++)
    printf("%d", a[i]);
```

<u>i</u>	$i < 5$	$\text{printf}("%d", a[i]);$
0	$0 < 5$ T	$a[0]$ 8
1	$1 < 5$ T	$a[1]$ 2
2	$2 < 5$ T	$a[2]$ 9
3	$3 < 5$ T	$a[3]$ 5
4	$4 < 5$ T	$a[4]$ 6
5	$5 < 5$ F	

3] In Arithmetic expressions

```
int a[5]
sum = 0;
```

	0	1	2	3	4
a	8	2	9	5	6

```
for (i = 0; i < 5; i++)
{
    sum = sum + a[i];
}
```

i	$i < 5$	$\text{sum} = \text{sum} + a[i]$
0	$0 < 5$ T	$8 = 0 + 8 \quad a[0]$
1	$1 < 5$ T	$10 = 8 + 2 \quad a[1]$
2	$2 < 5$ T	$19 = 10 + 9 \quad a[2]$
3	$3 < 5$ T	$24 = 19 + 5 \quad a[3]$
4	$4 < 5$ T	$30 = 24 + 6 \quad a[4]$