

## In logical expressions

Find the highest of given array elements

int a[5]      

|   |   |   |   |   |
|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 |
| 8 | 2 | 9 | 5 | 6 |

high = a[0]

for (i = 1; i < 5; i++)

```
{
    if (a[i] > high)
        high = a[i];
}
```

high = a[i]

8 = a[0]

| i | i < 5 | a[i] > high | high = a[i] |
|---|-------|-------------|-------------|
|---|-------|-------------|-------------|

|   |           |              |  |
|---|-----------|--------------|--|
| 1 | 1 < 5 (T) | a[1] 2 > 8 F |  |
|---|-----------|--------------|--|

8    9

|   |           |              |  |
|---|-----------|--------------|--|
| 2 | 2 < 5 (T) | a[2] 9 > 8 T |  |
|---|-----------|--------------|--|

|   |           |              |  |
|---|-----------|--------------|--|
| 3 | 3 < 5 (T) | a[3] 5 > 9 F |  |
|---|-----------|--------------|--|

|   |           |              |  |
|---|-----------|--------------|--|
| 4 | 4 < 5 (T) | a[4] 6 > 9 F |  |
|---|-----------|--------------|--|

|   |           |  |  |
|---|-----------|--|--|
| 5 | 5 < 5 (F) |  |  |
|---|-----------|--|--|

NOTE : An array defined with single size can be access with single subscript value such array are known as single dimensional array or one dimensional array. To make single dimensional array