

**Program Code Sample 73**

```
void main() {  
    int V1 = 0;  
    int V2 = 2;  
  
    if (V2 = 1) {  
        V1 = 3;  
    } else {  
        V1 = 6;  
    }  
  
    printf("%d\n", V1);  
}
```

$V1 = 0$        $V2 = 1$   
 $V1 = 3$

**Program 73 Notes****Program 73 Output**

Start Time: 1:05

3

End Time: 1:05

**How confident are you that you evaluated  
the code correctly?**

(Unsure) 1 2 3 4 5 6 (Positive)

**Program Code Sample 11**

```

void main() {
    int V1 = 0;

    if ((0 && 1) || 2) {
        V1 = 6;
    } else {
        V1 = 3;
    }

    printf("%d\n", V1);
}

```

$V1 = 0$   
 precedence?  
 && before ||  
 $V1 = 6$

**Program 11 Notes****Program 11 Output**

Start Time: 1:00?

6

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End Time: 1:09

How confident are you that you evaluated the code correctly?

(Unsure) 1 2 3 4 5 6 (Positive)

**Program Code Sample 14**

```
void main() {  
    int V1 = 3;  
    int V2 = V1 + 4;  
  
    V1++;  
  
    printf("%d %d\n", V1, V2);  
}
```

V1 = 3  
V2 = 7  
V1 = 4

**Program 14 Notes****Program 14 Output**

Start Time: 1:12

4 7

End Time: 1:13

**How confident are you that you evaluated the code correctly?**

(Unsure) 1 2 3 4 5 6 (Positive)

**Program Code Sample 1**

```
void main() {  
    int V1 = 0;  
  
    if (10 % 3) {  
        V1 = 4;  
    } else {  
        V1 = 8;  
    }  
  
    printf("%d\n", V1);  
}
```

 $V1 = 0$  $V1 = 4$ **Program 1 Notes****Program 1 Output**

Start Time: 1:16

4

End Time: 1:16

How confident are you that you evaluated  
the code correctly?

(Unsure) 1 2 3 4 5 6 (Positive)

**Program Code Sample 55**

```

void main() {
    int V1 = 0;
    int V2 = 8;

    if ((V2 - 3) * (7 - V2) <= 0) {
        V1 = 4;
    } else {
        V1 = 2;
    }

    printf("%d\n", V1);
}

```

$$\begin{aligned}
 V1 &= 0 \\
 V2 &= 8 \\
 5 * (-1) &\leq 0 \\
 -5 &\leq 0 \\
 V1 &= 4
 \end{aligned}$$

**Program 55 Notes****Program 55 Output**Start Time: 1:174End Time: 1:18

How confident are you that you evaluated the code correctly?

(Unsure) 1 2 3 4 5 6 (Positive)

**Program Code Sample 56**

```

void main() {
    int V1 = 0;
    int V2 = 6;

    if (1 <= V2 || V2 >= 5) {
        V1 = 2;
    } else {
        V1 = 7;
    }

    printf("%d\n", V1);
}

```

 $V1 = 0$  $V2 = 6$  $1 <= V2$  $1 <= 6$ 

1

~~0~~  $V1 = 2$ **Program 56 Notes****Program 56 Output**Start Time: 1:202End Time: 1:20

How confident are you that you evaluated the code correctly?

(Unsure) 1 2 3 4 5 6 (Positive)

**Program Code Sample 37**

```
#define M1 3 - 1
void main() {
    int V1;

    V1 = M1 * 2;

    printf("%d\n", V1);
}
```

$$V1 = 3 - 1 * 2;$$
$$3 - 2$$
$$1$$

**Program 37 Notes****Program 37 Output**Start Time: 1:211  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_End Time: 1:22

How confident are you that you evaluated  
the code correctly?

(Unsure) 1 2 3 4 5 6 (Positive)

**Program Code Sample 105**

```
void main() {
    int V1 = 013;

    printf("%d\n", V1);
}
```

**Program 105 Notes**

0013

0x13

1 \ 013'

1 \ x0B'

$$8 + 3 = 11$$

**Program 105 Output**

Start Time: 1:23

11

End Time: 1:24

**How confident are you that you evaluated the code correctly?**

(Unsure) 1 2 3 4 5 6 (Positive)