

Quiz 12

* Required

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What does this program print? *

```
struct Node {  
    int size;  
    struct Node* next;
```

```
};
```

```
void f(struct Node n) {  
    n.size = 100;  
}
```

```
int main() {  
    struct Node n = {50, NULL};  
    f(n);  
    printf("%d\n", n.size);  
}
```

☒ 50

☐ 100

What does this program print? *

```
struct Node {  
    int size;  
    struct Node* next;
```

```
};

int g(struct Node n) {
    return n.size;
}

int f(struct Node n) {
    n.size = 100;
    return g(n);
}

int main() {
    struct Node n = {50, NULL};
    int ans = f(n);
    printf("%d\n", ans);
}
```

- ☐ 50
- ☒ 100

What does this program print? *

```
struct Node {
    int size;
    struct Node* next;
```

```
};

int g(struct Node* n) {
    return n->size;
}

int f(struct Node n) {
    n.size = 100;
    return g(&n);
}

int main() {
    struct Node n = {50, NULL};
    int ans = f(n);
    printf("%d\n", ans);
}
```

- ☐ 50
- ☒ 100

What does this program print? *

```
struct Node {
    int size;
    struct Node* next;
```

```
};

void g(struct Node* n) {
    n->size = 200;
}

void f(struct Node n) {
    n.size = 100;
    g(&n);
}

int main() {
    struct Node n = {50, NULL};
    f(n);
    printf("%d\n", n.size);
}
```

- ☒ 50
- ☐ 100
- ☐ 200

What does this program print? *

```
struct Node {
    int size;
    struct Node* next;
};
```

```
void f(struct Node n[]) {  
    n[0].size = 100;  
}  
  
int main() {  
    struct Node n[] = {{50, NULL}, {100, NULL}};  
    f(n);  
    printf("%d\n", n[0].size);  
}
```

- ☐ 50
- ☒ 100

What does this program print? *

```
struct Node {  
    int sizes[4];  
    struct Node* next;
```

```
};
```

```
void f(struct Node n) {  
    n.sizes[0] = 100;  
}
```

```
int main() {  
    struct Node n = {{3, 4, 5, 6}, NULL};  
    f(n);  
    printf("%d\n", n.sizes[0]);  
}
```

☒ 3

☐ 100

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