

1. Consider the following code. What would be the result when attempting to compile-and-run the program? Completely fill the circle next to your choice.

```
int main() {  
    int x = 10;  
    int y = 42;  
    while (x > 0) {  
        cout << x << ' '  
        --x; // similar to x -= 1;  
        int y = x; // Line 1  
    }  
    cout << "y = " << y << endl; // Line 2  
}
```

- | | |
|---|---|
| <input type="radio"/> Displays: 0 | <input type="radio"/> Compilation error at line 1 |
| <input type="radio"/> Displays: 1 | <input type="radio"/> Compilation error at line 2 |
| <input type="radio"/> Displays: 10 | <input type="radio"/> Compiles but crashes |
| <input type="radio"/> Undefined display value | <input type="radio"/> None of the above |