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Submitted to

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Subject . Lab Data structure

Topic . Pointer

Questions no 1.. Task: Create a program that declares an integer variable and a pointer to it. Modify the value of the variable using the pointer and display both the variable and pointer values.

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    int num = 10;
```

```
    int* ptr = &num;
```

```
    *ptr = 20;
```

```
    cout << "Value of num: " << num << endl;
```

```
    cout << "Value pointed to by ptr: " << *ptr << endl;
```

```
    return 0;
```



Programiz

C++ Online Compiler

Programiz PRO

main.c...

Output



Value of num: 20

Value pointed to by ptr: 20

=== Code Execution Successful ===

}