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### **Task no.1:**

```
#include <iostream>
```

```
Using namespace std;
```

```
Int main() {
```

```
    For (int I = 1; I <= 150; i++) {
```

```
        If (I % 10 == 0) {
```

```
            Continue;
```

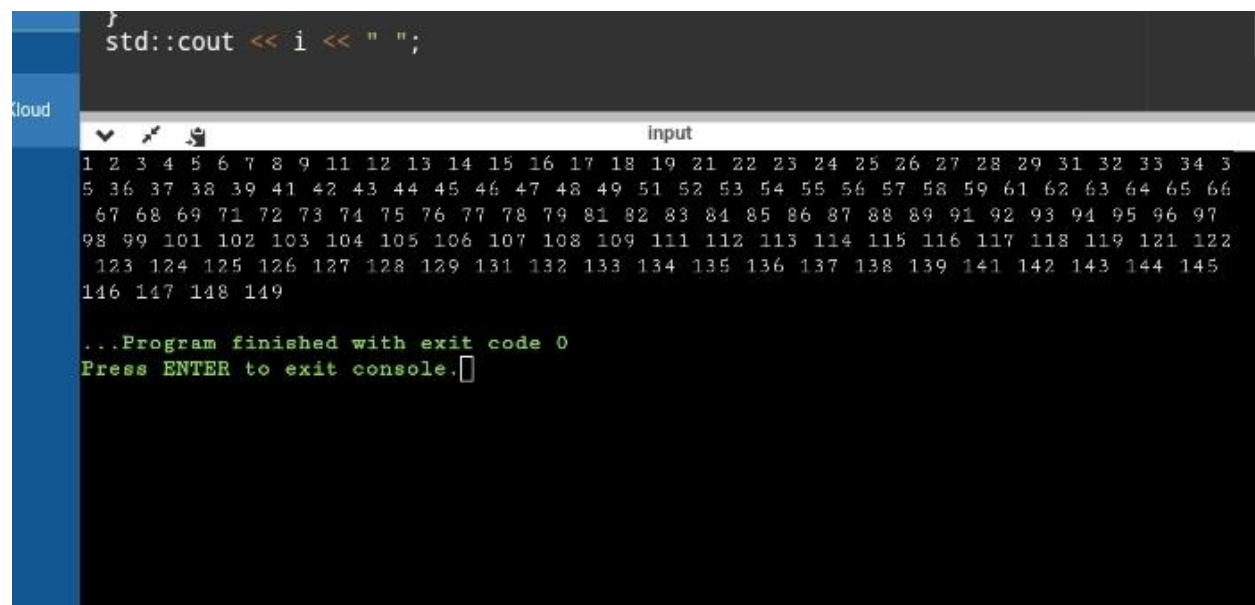
```
        }
```

```
        cout << I << " ";
```

```
    }
```

```
    Return 0;
```

```
}
```



The screenshot shows a C++ program being executed in a cloud-based IDE. The code defines a main function that iterates from 1 to 150. For each number, it checks if it is a multiple of 10. If it is, the program skips to the next iteration (continue). Otherwise, it prints the number followed by a space. The output in the console shows the sequence of numbers from 1 to 150, with multiples of 10 (10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150) omitted. The program finishes with an exit code of 0.

```
std::cout << i << " ";
```

cloud

input

```
1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 28 29 31 32 33 34 35 36 37 38 39 41 42 43 44 45 46 47 48 49 51 52 53 54 55 56 57 58 59 61 62 63 64 65 66 67 68 69 71 72 73 74 75 76 77 78 79 81 82 83 84 85 86 87 88 89 91 92 93 94 95 96 97 98 99 101 102 103 104 105 106 107 108 109 111 112 113 114 115 116 117 118 119 121 122 123 124 125 126 127 128 129 131 132 133 134 135 136 137 138 139 141 142 143 144 145 146 147 148 149
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```

## **Task no.2:**

```
#include <iostream>

using namespace std ;

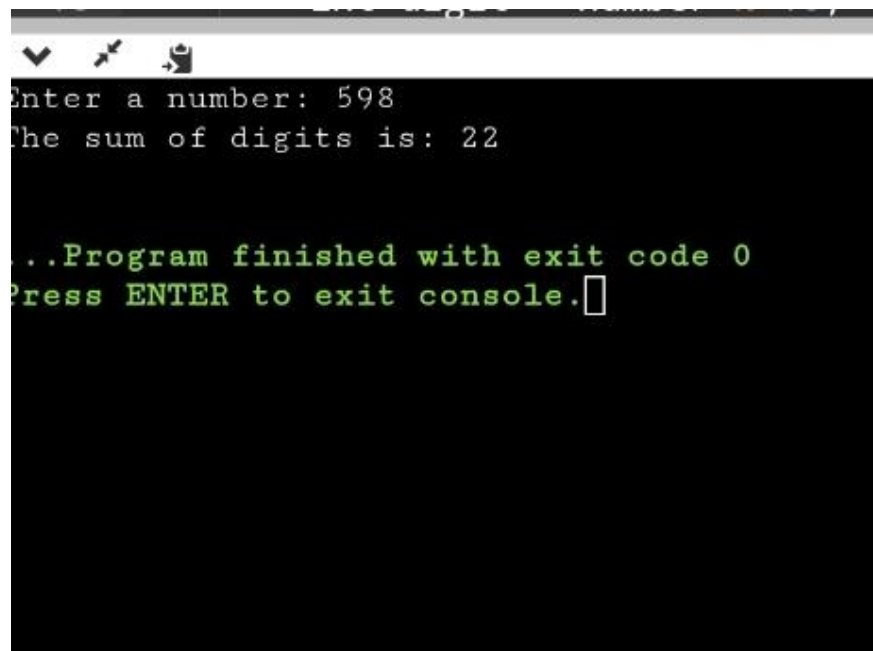
int main() {

    int number, sum = 0;


    cout << "Enter a number: ";
    cin >> number;
    while (number > 0) {
        int digit = number % 10;
        sum += digit;
        number /= 10;
    }

    cout << "The sum of digits is: " << sum << endl;

    return 0;
}
```



```
Enter a number: 598
The sum of digits is: 22

...Program finished with exit code 0
Press ENTER to exit console.
```

### Task no.3:

```
#include <iostream>
```

```
#include<cmath>
```

```
Using namespace std;
```

```
Bool isPrime(int n) {
```

```
    If (n <= 1) {
```

```
        Return false;
```

```
    }
```

```
    For (int l = 2; l <= sqrt(n); i++) {
```

```
    If (n % l == 0) {  
        Return false;  
    }  
}
```

```
Return true;  
}
```

```
Int main() {  
    Int number;  
    Cout << "Enter a number: ";  
    Cin >> number;  
  
    If (isPrime(number)) {  
        Cout << number << " is a prime number." << endl;  
    } else {  
        Cout << number << " is not a prime number." << endl;  
    }  
  
    Return 0;  
}
```

Enter a number: 5  
5 is a prime number.

...Program finished with exit code 0  
Press ENTER to exit console.