



# Fundamental of Programing

## Lab Manual # 04

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**Section:** C

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## Home Task:

1. Write a program in C++ that prints the numbers from 1 to 150 except the multiples of 10.  
Make use of the continue statement.

```
1 #include<iostream>
2 using namespace std;
3
4 int main()
5 {
6     for( int num1 = 1; num1 <= 150; num1++ ){
7         if( num1 % 10 == 0 ){
8             continue;
9         }
10        cout << " " << num1 << endl;
11    }
12    return 0;
13 }
14
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: D:\top lab\1 to 150.exe
- Output Size: 1.83212089538574 MiB
- Compilation Time: 0.72s

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```



## 2. Write a C++ program to find the sum of digits of a number

```
1 #include<iostream>
2 using namespace std;
3
4 int main()
5 {
6     int num1, num2, sum = 0;
7     cout << "Enter the value of num1" << endl;
8     cin >> num1;
9
10    while (num1 > 0){
11        num2 = num1 % 10;
12        sum = sum + num2;
13        num1 = num1 / 10;
14    }
15    cout << " sum of numbers = " << sum << endl;
16    return 0;
17 }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: D:\fop lab\sum of numbers.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 0.72s

```
Enter the value of num1
749
sum of numbers = 11
Process exited after 4.392 seconds with return value 0
Press any key to continue . . .
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: D:\fop lab\sum of numbers.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 0.72s

3. Write a program in C++ to check whether a number is prime or not.

