

A dark blue vertical bar is on the left. A blue arrow points right from it, containing the text [Date].

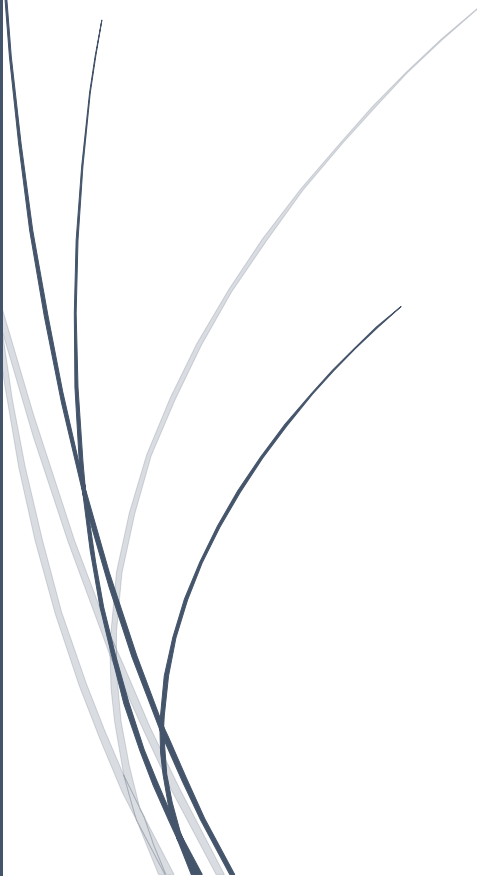
[Date]

# FUNDAMENTAL OF PROGRAMMING

LAB REPORT 5

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Several thin, curved lines in dark blue and light grey originate from the bottom left and curve upwards and to the right.

**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.**

### **CODE:**

```
#include <iostream>

using namespace std;

int main() {

    for (int a=1;a<=150;a++){

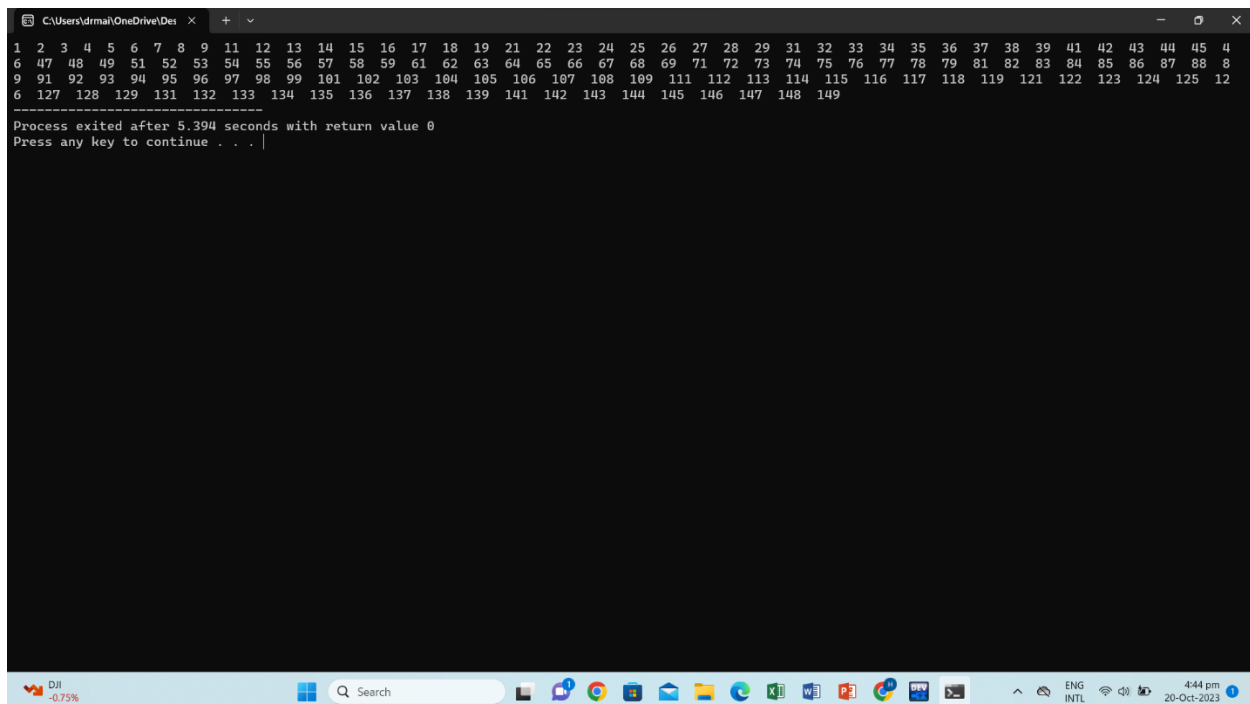
        if (a%10==0) {

            // not including multiples of 10

            continue;    }

        cout << a<<"    ";    } }
```

### **OUTPUT:**



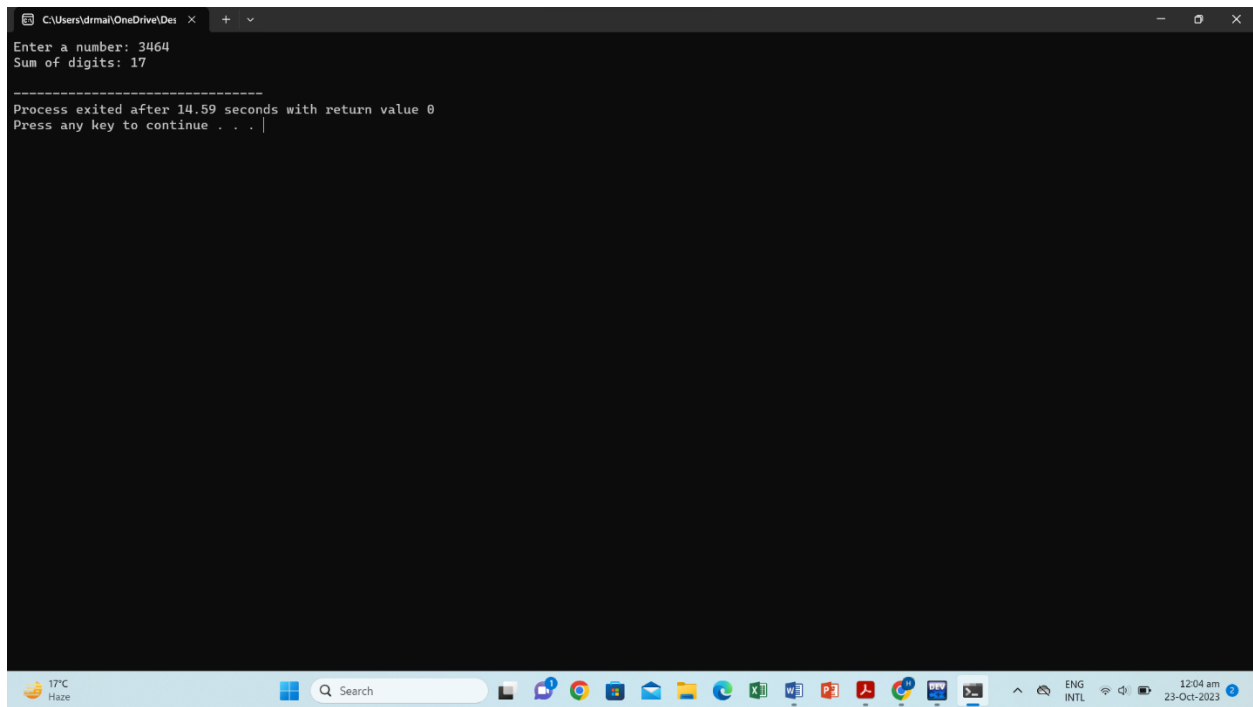
```
C:\Users\dramh\OneDrive\Desktop>g++ 1.cpp && .\1.exe
1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 28 29 31 32 33 34 35 36 37 38 39 41 42 43 44 45 4
6 47 48 49 51 52 53 54 55 56 57 58 59 61 62 63 64 65 66 67 68 69 71 72 73 74 75 76 77 78 79 81 82 83 84 85 86 87 88 8
9 91 92 93 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 12
6 127 128 129 131 132 133 134 135 136 137 138 139 141 142 143 144 145 146 147 148 149
-----
Process exited after 5.394 seconds with return value 0
Press any key to continue . . .
```

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

### CODE:

```
#include <iostream>
using namespace std;
int main() {
    int n,sum=0;
    // Taking input from user
    cout<<"Enter a number: ";
    cin>>n;
    // Calculating the sum of digits
    while(n!=0){
        int d=n%10;
        sum+=d;
        n /= 10; }
    // Displaying the sum of digits
    cout<<"Sum of digits: "<<sum<<endl;}
```

## OUTPUT:



```
C:\Users\drmai\OneDrive\Desktop>Enter a number: 3464
Sum of digits: 17

-----
Process exited after 14.59 seconds with return value 0
Press any key to continue . . .
```

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

## CODE:

```
#include<iostream>

using namespace std;

int main(){

int x,y,z=0;

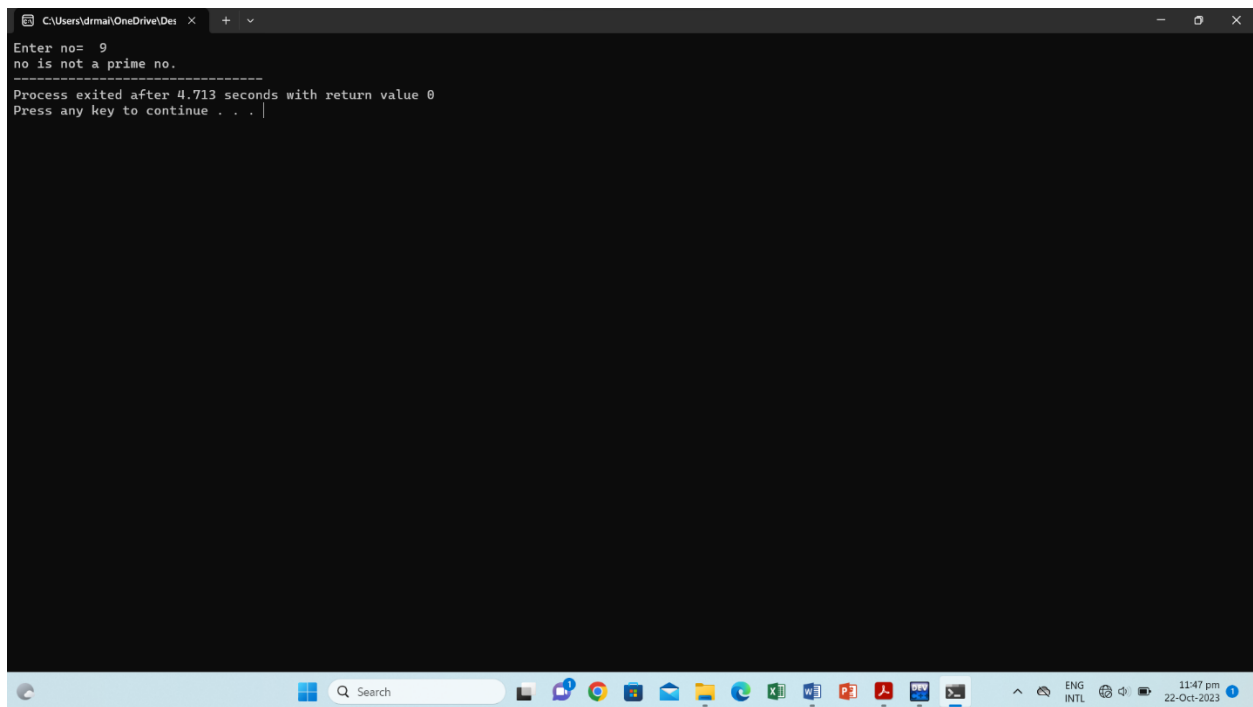
cout<<"Enter no= ";

//Taking input from user

cin>>x;
```

```
for(y=1;y<=x;y++){  
    //applying condition for all prime no except 2  
    if(x%y==0){  
        z++;} }  
  
if(z==2){  
    //Applying condition for only 2 as a prime no  
    cout<<"no is prime no.;"  
else{  
    cout<<"no is not a prime no.;" } }
```

## OUTPUT:



```
C:\Users\drmai\OneDrive\Des x + v  
Enter no= 9  
no is not a prime no.  
-----  
Process exited after 4.713 seconds with return value 0  
Press any key to continue . . . |
```