[Date]

FUNDAMENTAL OF PROGRAMMING

LAB REPORT 5

HAIDER NAWAZ

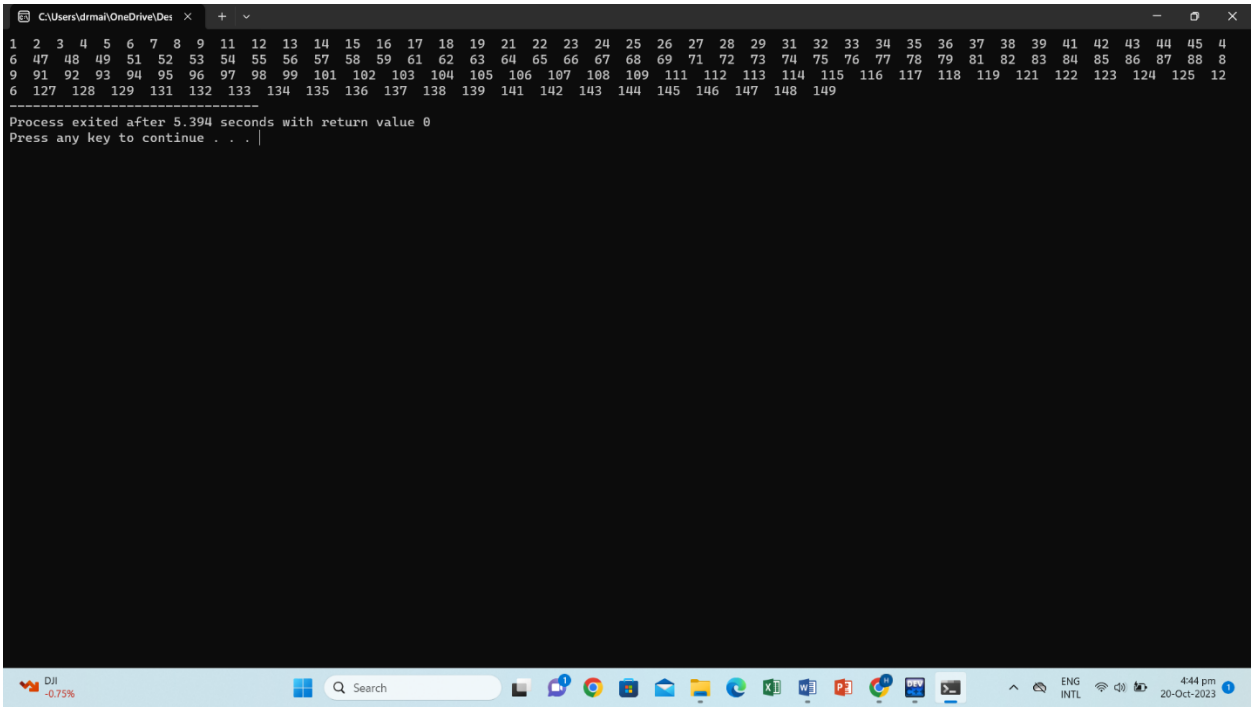
480239

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:

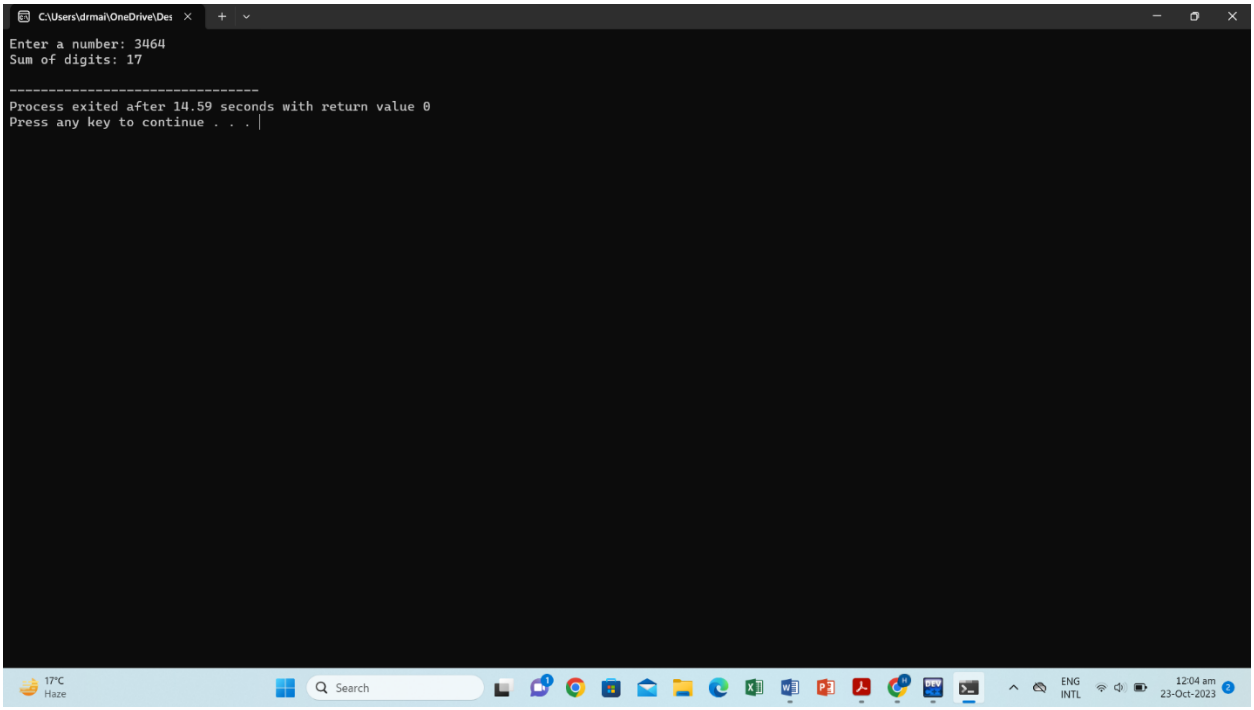


2) Write a C++ program to find the sum of digits of a number.

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:



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 accept 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: