Q. What is the current version of C++ used in our daily lives?

Ans. **C++20** is a version of the ISO/IEC 14882 standard for the C++ programming language which is currently being used in our daily lives. C++20 replaced the prior version of the C++ standard, called C++17.

Q. Where is C++ being used as of today??

### Ans.

### #1) Games

C++ is close to the hardware, can easily manipulate resources, provide procedural programming over CPU-intensive functions, and is fast. It is also able to override the complexities of 3D games and provides multilayer networking. All these benefits of C++ make it a primary choice to develop gaming systems as well as game development suites.

### #2) GUI-Based Applications

C++ can be used to develop most of the GUI-based and desktop applications easily as it has got the required features.

### #3) Database Software

C++ is also used in writing database management software. The two most popular databases MySQL and Postgres are written in C++.

Q. What are the advantages and disadvantages of C++??

Advantages of C++

1. Portability

#### 2. Object-oriented

#### 3. Multi-paradigm

#### 4. Low-level Manipulation

#### 5. Memory Management

#### Disadvantages of C++

#### 1. Use of Pointers

#### 2. Security Issue

#### 3. Absence of Garbage Collector

#### 4. Absence of Built-in Thread

#include <iostream>

using namespace std;

int main() {

    int a,b,sum,diff,mult,remain;

    double division,doublea,doubleb;

    cout<<"Enter two numbers separated by space: ";

    cin>>a>>b;

    sum = a+b;

    diff = a-b;

    mult = a\*b;

    remain = a%b;

    doublea = static\_cast<double>(a);

    doubleb = static\_cast<double>(b);

    division = doublea/doubleb;

    cout<<"Addition of two numbers is: "<<sum<<endl;

    cout<<"Difference of two numbers is: \n"<<diff;

    cout<<"Multiplication of two numbers is: "<<mult<<endl;

    cout<<"Division of two numbers is: "<<division<<endl;

    cout<<"Remainder after division of two numbers is: "<<remain;

    return 0;

}