Relationship Between OOP & C++

data type   loop   OOP

$\quad \rightarrow$ int $\quad \rightarrow$ for $\quad \rightarrow$ C++

1967

Simula 67

methodology

On the other hand C++ is a language or a platform which is based on OOPs. That is C++ allows us to implement the concept we have learnt using OOPs

In simple words we can say OOPs is conceptual while C++ is it practical implementation .

Is C++ 1st OO langauge of the world?
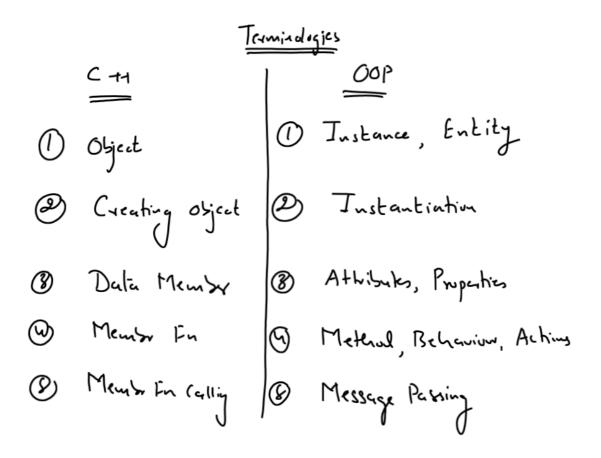==============================
No, the credit of being 1st OO language of the world goes to **SIMULA 67** but C++ is definitly words 1st popular OO language

History of C++
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1. It was originally developed at BELL LABS, USA by Bjarne Stroustrup in the year 1979 by the name C with Classes

2. But in 1983, it was renamed to C++ and later an Organization called ISO(International Standarization Organization) took the responsibility of maintaining standar of C++.

3. From the year 2011, ISO started making huge changes in original C++ so that it can compete with languages like Java, Python etc.

4. They named this new version as C++ 11 and decided to modify it in every 3 years.

5. So till now 4 new versions of C++ called as C++ 11, C++ 14, C++ 17 and C++ 20 have been launched and C++ 23 is under production

6. Collectively all the versions from C++ 11 onwards are known as MODERN C++ while original C++ is known as classic C++.

Terminologies

C++	OOP
① Object	① Instance, Entity
② Creating object	② Instantiation
③ Data Member	③ Attributes, Properties
④ Member Fn	④ Method, Behaviour, Action
⑤ Member Fn Calling	⑤ Message Passing

```cpp
class Student
{
    int roll;
    char grade;
    float per;
public:
    void get();
    void show();
};
```

```cpp
int main()
{
    Student S, P;
    S.get();
    P.get();
    S.show();
    P.show();
    return 0;
}
```