

Invention of C++

EXAMPLES

A Language

1966, Ken Thompson at Bell Labs, low-level language for systems programming.

GE-600 series computers

It was limited in features and lacked portability.

```
LET X = 5
LET Y = 10
LET Z = X + Y
PRINT Z
```

B Language

1969, Ken Thompson at Bell Labs, low-level language for systems programming.

UNIX operating system

it lacked data types, making it unsuitable for complex systems programming.

```
main() {
    auto i;
    i = 0;
    while (i < 10) {
        putchar('A' + i);
        i = i + 1;
    }
}
```

C Language

1972, Denis Ritchie at Bell Labs, middle-level language for systems programming.

Used to develop operating systems(UNIX, MAC OS) for the machine.

Limited to procedural programming only which is very tightly coupled and lacks OOPS.

```
#include <stdio.h>

int main() {
    printf("Hello, World!\n");
    return 0;
}
```

C with classes Language

1979, Bjarne Stroustrup, high level programming language.

Web Crawlers, Compilers, OS

```
#include <iostream>

int main() {
    std::cout << "Hello, World!";
    return 0;
}
```

C++ Language (officially)

1983, Bjarne Stroustrup, high level programming language.

Web Crawlers, Compilers, OS

```
class Person {
public:
    std::string name;
    int age;

    Person(std::string n, int a)

    void display() {
        std::cout << "Name: " <<
    }
};
```

"

```
) : name(n), age(a) {}  
  
< name << ", Age: " <<
```