

Let's explore



**programming
language**

Here we will cover...

1. What is c programming?
2. Advantages of c programming
3. Disadvantages of c programming
4. Applications of c language
5. "Hello world" program using c

Let's go...

What is c programming?

C is a **high-level language**. It is both a **general-purpose** and a **specific-purpose** programming language.

C is the most popular and common programming language for every application developer.

Advantages of c

- Easy to write code
- Rich set of data types
- Rich set of built-in libraries
- Dynamic memory allocation
- Fast and efficient
- Portable
- Easy to debug
- Proceger oriented language
- Mid-level language

Disdvantages of c

- Strict syntax
- It is not an object-oriented programming language
- Lack of error & exception handling
- Lack of garbage collection
- Inefficient memory management
- Case sensitive
- Absence of namespaces
- Run time checking

Applications of c

- **system softwares**

1. Operating system
2. Interpreters
3. Compilers
4. Assemblers

- **Application softwares**

1. DataBase Management System(DBMS)
2. Graphic packages
3. Spreadsheets
4. Word processors

"Hello world" program using c

```
//including standard I/O header file  
#include<stdio.h>
```

```
//Every c programs execution starts with main  
function
```

```
int main()  
{  
    //Displaying the string  
    printf("Hello world\n");  
    return 0;  
}
```