



C++ Strings

C++ Programming



Why ?



Because in **char** we can **only store single** character.

J

ch1

O

ch2

h

ch3

n

ch4

```
cout << ch1;
```

```
cout << ch2;
```

```
cout << ch3;
```

```
cout << ch4;
```

```
#include<string>
```

```
string ch = "John";
```

```
cout << ch;
```

String Operations

String Concatenation

Fast

```
string firstName = "Dino";
```

```
string lastName = "Brown";
```

```
string fullName = firstName + lastName;
```

```
cout << fullName;
```

Dino Brown

```
string firstName = "Dino";
```

```
string lastName = "Brown";
```

```
string fullName = firstName.append(lastName);
```

```
cout << fullName;
```

Dino Brown

String Operations

String Concatenation

```
int num1 = 10;
```

```
int num2 = 20;
```

```
int total = num1 + num2;
```

```
cout << total;
```

30

```
string num1 = "10";
```

```
string num2 = "20";
```

```
string total = num1 + num2;
```

```
cout << total;
```

1020

```
string num1 = "10";
```

```
int num2 = 20;
```

```
string total = num1 + num2;
```

Error

String Operations

String Length

```
string name= "VeDinesh";
```

```
cout << " length = " << name.length( );
```

8

```
string name= "VeDinesh";
```

```
cout << " length = " << name.size( );
```

8

String Operations

User Input Strings

```
string Name;
```

```
cout << "Type your name: ";
```

```
getline(Name, Name );
```

John

Hello John

```
cout << Name;
```

John

Hello

Program

Write a program, to take `firstname`, `lastname` and `address` as `input` and print `fullname` and `address` on `console`.