Contents

[Iterators: 2](#_Toc117454031)

[Find(n): 4](#_Toc117454032)

[Binary Search: 5](#_Toc117454033)

# Find(n):

|  |  |
| --- | --- |
| Syntax | size\_t find (const string& str, size\_t pos = 0) const; |
| Usage | Searches the [string](https://cplusplus.com/string) for the first occurrence of the sequence specified by its arguments.  str  Another [string](https://cplusplus.com/string) with the subject to search for.  pos  Position of the first character in the string to be considered in the search. If this is greater than the [string length](https://cplusplus.com/string::length), the function never finds matches. |
| Return | The position of the first character of the first match. If no matches were found, the function returns [**string::npos**](https://cplusplus.com/string::npos)**.** |
| Includes | #include <string> |
| Complexity | - |
| Code | #include<iostream>  using namespace std;  include "algorithm" #include "vector" int main() {  string s1="Hello I am Basma Elhoseny";  string s2="Basma"; size\_t found=s1.find(s2); if(found !=string::npos)  cout<<"Found! @ index"<<found<<el; else  cout<<"Not Found!"<<el;  string s3="BasmaElhoseny"; found=s1.find(s3);  if(found !=string::npos)  cout<<"Found! @ index"<<found<<el;  } |
| Output | Found! @ index11  Not Found! |