

Global Example Regex

C++	EZ Language
<pre>#include <iostream> #include <regex> using namespace std; int main() { string s1 = ("This is a global example"); string s2 = ("hello world! here you can find a global example! "); string s3 = ("hello world! here you can find a global example! "); cout<<"Match example : "<<endl; regex r1 ("(This)(.*)"); if(regex_match (s1,r1)) cout << "String object matched" << endl; cout<<endl; cout<<"Search example : "<<endl; regex r2 ("\\b(he)([^]*)"); smatch m; while (std::regex_search (s2,m,r2)) { for (auto x:m) cout << x << " "; cout << std::endl; s2 = m.suffix().str(); } }</pre>	<pre>program p procedure p() begin variable s1 is string = "This is a global example") variable s2 is string = "hello world! here you can find a global example! " variable s3 is string = "hello world! here you can find a global example! " print "Match example : \n" variable r1 is regex ="(This)(.*)" if r1.match(s1) then print "String object matched\n" end end procedure print "\nSearch example : \n" variable r2 is regex ="\\b(he)([^]*)" variable m is smatch while r2.search (s2,m) do foreach(x in m) do print "x" end each print "\n"¹</pre>

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<pre> } cout<<endl; cout<<"Replace example : "<<endl; regex r3 ("\\b(he)([^]*)"); cout<<regex_replace(s3,r3," He-\$2")<<endl; return 0; } </pre>	<pre> s2 = m.suffix().str(); ² end while print "\n" print "Replace example : \n" variable r3 is regex ="\\b(he)([^]*)" print "s3.replace(r3," He-\$2") \n" end </pre>

Output :

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Match example :
String object matched

Search example :
hello  he  llo
here  he  re

Replace example :
He-llo world!  He-re you can find a global example!

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