
Subject: RegExp::ReplaceGlobal() is buggy
Posted by [zsolt](#) on Tue, 11 Jun 2019 22:47:49 GMT
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I did not investigate it, but multiple replaces are not working well:

```
String res8;

res8 = "ab<a>ZZ</a>";
RegExp("(<\s*a[^>]*>(.*?)<\s*/\s*a>)", RegExp::UNICODE|RegExp::CASELESS)
    .ReplaceGlobal(res8, "");
CHECK_EQUAL("ab", ~res8); //this is OK

res8 = "12<a>ZZ</a>34<a>vv</a>56";
RegExp("(<\s*a[^>]*>(.*?)<\s*/\s*a>)", RegExp::UNICODE|RegExp::CASELESS)
    .ReplaceGlobal(res8, "");
CHECK_EQUAL("123456", ~res8); //buggy
```

The ReplaceGlobal implementation is too hard for me, so I created a very simple but working method for myself to be able to use regular expressions to multiple replaces:

```
String RegExp::ReplaceAll(const String& s, const String& r)
{
    String res;
    int iPosStart;
    int iPosAfterEnd;
    int iFromCopyToRes = 0;
    while(GlobalMatch(s)){
        GetMatchPos(0, iPosStart, iPosAfterEnd);
        //String matched = s.Mid(iPosStart, iPosAfterEnd-iPosStart);//debug
        res << s.Mid(iFromCopyToRes, iPosStart-iFromCopyToRes);
        res << r;
        iFromCopyToRes = iPosAfterEnd;
    }
    if(iFromCopyToRes < s.GetCount()){
        res << s.Mid(iFromCopyToRes, s.GetCount()-iFromCopyToRes);
    }
    return res;
}
```

Test code:

```
String res8;
res8 = "12<a>ZZ</a>34<a>vv</a>56";
res8 = RegExp("(<\s*a[^>]*>(.*?)<\s*/\s*a>)", RegExp::UNICODE|RegExp::CASELESS)
```

```
.ReplaceAll(res8, "");  
CHECK_EQUAL("123456", ~res8);
```
