Subject: Strange behaviour of CINT
Posted by Simone Bianco on Wed, 25 May 2011 13:23:31 GMT
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Dear all,

if I write a macro like the following:

test.C
```
void test(Int_t nEv)
{

  gROOT->Macro("$VMCWORKDIR/gconfig/rootlogon.C");

  for (Int_t j = 0 ; j < nEv ; j++)
    {
      cout << "j: " << j << " - nEv: " << nEv << endl;
    }

}
```

and I run it with a

root -l 'test.C(10)'

I correctly get:

```
j: 0 - nEv: 10
j: 1 - nEv: 10
j: 2 - nEv: 10
j: 3 - nEv: 10
j: 4 - nEv: 10
j: 5 - nEv: 10
j: 6 - nEv: 10
j: 7 - nEv: 10
j: 8 - nEv: 10
j: 9 - nEv: 10
```

But If I do:

```
root [0] .L test.C
root [1] test(10)
```

I only get the first cycle run:

```
j: 0 - nEv: 10
```

The problem disappears if I comment out the rootlogon call.

Any idea about why this is happening?

Cheers,

Simone

Subject: Re: Strange behaviour of CINT
Posted by Garzia Isabella on Wed, 25 May 2011 13:57:48 GMT
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Hi Simone,

if you compile with

.L test.C+

you will be able to see possible errors in your code.
To solve your problem you need to include the following libraries:

```
#include "TROOT.h"
#include <iostream>

void testtest(Int_t nEv){

  gROOT->Macro("$VMCWORKDIR/gconfig/rootlogon.C");

  for (Int_t j = 0 ; j < nEv ; j++)
    {
      cout << "j: " << j << " - nEv: " << nEv << endl;
    }

}
```

I hope this help you,

Isabella.

Subject: Re: Strange behaviour of CINT
Posted by Simone Bianco on Wed, 25 May 2011 14:10:27 GMT
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Sure, but still this shouldn't be a problem in such a simple macro, expecially since I am trying to interpret it. Am I wrong?

Subject: Re: Strange behaviour of CINT
Posted by Garzia Isabella on Wed, 25 May 2011 14:48:32 GMT
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no, it shouldn't be a problem, but you need to iclude
#include "TROOT.h" if you use the gRoot global object

In this link you can found some explanation:
http://root.cern.ch/drupal/content/mixing-interpreted-and-compiled-code

isa.
