
Subject: Returning Tuple that contains Vector is not possible

Posted by [Klugier](#) on Sat, 05 May 2018 23:07:07 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello,

I found that returning vector in tuple is impossible on compilation level. Here is an exemplary code that doesn't compile:

```
Tuple<bool, Vector<String>> LoadTopics(const String& grouppath) {  
    Vector<String> topics;  
    bool renamed = false;  
  
    // ...  
  
    return { renamed, pick(topics) };  
}
```

I believe the same code done using c++ standard library should compile normally - <https://stackoverflow.com/questions/39514150/function-return-a-tuple-made-of-vectors>. But, I need to check to be 100% sure.

Sincerely,
Klugier

Subject: Re: Returning Tuple that contains Vector is not possible

Posted by [mirek](#) on Tue, 08 May 2018 10:40:30 GMT

[View Forum Message](#) <> [Reply to Message](#)

Klugier wrote on Sun, 06 May 2018 01:07Hello,

I found that returning vector in tuple is impossible on compilation level. Here is an exemplary code that doesn't compile:

```
Tuple<bool, Vector<String>> LoadTopics(const String& grouppath) {  
    Vector<String> topics;  
    bool renamed = false;  
  
    // ...  
  
    return { renamed, pick(topics) };  
}
```

I believe the same code done using c++ standard library should compile normally -

<https://stackoverflow.com/questions/39514150/function-return-a-tuple-made-of-vectors>. But, I need to check to be 100% sure.

Sincerely,
Klugier

That is correct. Tuple, for now, is meant for "full copy" types.

Mirek
