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GENERAL

Updated Level 9 Code

APalley

8/30/17

1

2

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A

APalley

Joined: 12/10/09

Messages: 52,327

Points: 1,273

8/30/17

#1

As of today, we've updated the provided code for level 9. This is expected to fix the following issues (which you may have seen mentioned throughout other threads):

- Migrate most code away from the proprietary Vector class to use `std::vector` and `std::array`.
- Group C: Fix the VS 2015+ ambiguity with the `data` variable in `main()`.
- Group E:
 - Excel errors on account of language difference.
 - Excel co-initialize error (https://www.quantnet.com/posts/?post_id=134681).
 - General code enhancements to ExcelDriver.
 - Document by @Daniel Duffy on Excel integration.
- Group F: Migrated to use the updated Excel driver from Group E.

If anyone experiences any issues with this code update, please reply to this thread. For general issues (which may or may not be directly related to this code update), please create a separate thread with the issue.

Over time, we will clean up a lot of the old threads that discuss the resolved issues, to avoid confusion.

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Jaehwa Youm, Junping Chen, Yakun Deng and 1 other person

A

8/30/17

#2

If you've already started level 9 at the time of this update, feel free to use either version.

↑

APalley

Joined: 12/10/09

Messages: 52,327

Points: 1,273

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R

Runjie Lyu

Joined: 6/1/17

Messages: 19

Points: 113

9/16/17

#3

I think I am using the updated provided code for level 9. And for my Group C, I experienced some compile error like the following:

3 error LNK2019: unresolved external symbol "public: __thiscall Range<double>::Range<double>(double const &,double const &)" (??0?\$Range@N@@@QAE@ABN0@Z) referenced in function _main

TestMC.obj

4 error LNK2019: unresolved external symbol "public: virtual __thiscall Range<double>::~~Range<double>(void)" (??1?\$Range@N@@@UAE@XZ) referenced in function _main

TestMC.obj

5 error LNK2019: unresolved external symbol "public: class std::vector<double,class std::allocator<double> > __thiscall Range<double>::mesh(long)const " (?mesh@\$Range@N@@@QBE?AV?\$vector@NV?\$allocator@N@std@@@std@@J@Z) referenced in function _main

TestMC.obj

6 error LNK1120: 3 unresolved externals

9.C.exe


@APalley , can you tell me why?

At first, I thought that I do not need to change anything in the provided code, but I have to include <vector> to let "Range.hpp" works.

Report

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Pavlos Sakoglou

Joined: 11/18/14

Messages: 3,827

Points: 523

9/16/17

#4

Runjie Lyu said:

I think I am using the updated provided code for level 9. And for my Group C, I experienced some compile error like the following:

View attachment 21092

@APalley , can you tell me why?

At first, I thought that I do not need to change anything in the provided code, but I have

You can't change any code, but you need to make the project run successfully. You need to make the necessary changes in the directory and in the linked project paths, so that VS will know what files to link, and from where.

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H

APalley said:

If you've already started level 9 at the time of this update, feel free to use either version.

8/7/18

#5

https://quantnet.com/threads/updated-level-9-code.31412/

2/7

Hu Hanxu

Joined: 5/26/18
Messages: 116
Points: 128

It seems that there are some problems in my downloading process of Level 9 resources(ppt, sample codes etc.).(I cannot download these resources from quantnet) Could you please offer me some help on this issue...Thanks!

[Report](#)[Like](#) [Reply](#)**A****APalley**

Joined: 12/10/09
Messages: 52,327
Points: 1,273

8/8/18

[Share](#) [Bookmark](#) #6**Hu Hanxu said:** [↑](#)

It seems that there are some problems in my downloading process of Level 9 resources(ppt, sample codes etc.).(I cannot download these resources from quantnet) Could you please offer me some help on this issue...Thanks!

What happens when you try to download?

[Report](#)[Like](#) [Reply](#)**H****Hu Hanxu**

Joined: 5/26/18
Messages: 116
Points: 128

8/8/18

[Share](#) [Bookmark](#) #7**APalley said:** [↑](#)

What happens when you try to download?

I cannot download it from quantnet...The downloading process always fails to proceed...I mean could you please send me an e-mail or something containing the .zip?

[Report](#)[Like](#) [Reply](#)**P****Peter Wu**

Joined: 3/21/18
Messages: 377
Points: 288

8/11/18

[Share](#) [Bookmark](#) #8**APalley said:** [↑](#)

As of today, we've updated the provided code for level 9. This is expected to fix the following issues (which you may have seen mentioned throughout other threads):

- Migrate most code away from the proprietary Vector class to use `std::vector` and `std::array`.

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Shall we use Vector class instead of `std::vector` for the program?

[Report](#)[Like](#) [Reply](#)**Pavlos Sakoglou**



8/11/18

[Share](#) [Bookmark](#) #9**Peter Wu said:** [↑](#)

Shall we use Vector class instead of `std::vector` for the program?

Use `std::vector`





Joined: 11/18/14

Messages: 3,827


Points: 523

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APalley



omartwahir

Options Graduate



Joined: 9/16/18

Messages: 911

Points: 303

3/25/19


#10

I am having a weird issue my std::vector doesn't exist?

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APalley

Joined: 12/10/09

Messages: 52,327

Points: 1,273

3/25/19

#11


What do you mean

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omartwahir



omartwahir

Options Graduate



Joined: 9/16/18

Messages: 911

Points: 303

3/25/19

#12

APalley said: ↗


What do you mean

Like when I call std::vector it says it's not a member of std

Report

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APalley

Joined: 12/10/09

Messages: 52,327

Points: 1,273

3/25/19

#13

omartwahir said: ↗

Like when I call std::vector it says it's not a member of std

Did you #include vector?

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omartwahir

↑

O

omartwahir

Options Graduate

Joined:

9/16/18

Messages:

911

Points:

303

3/26/19

APalley said: ↗

Did you #include vector?

that fixed it I though once you use namespace std that would include std::vector

Report

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Reply

A

APalley

Joined:

12/10/09

Messages:

52,327

Points:

1,273

3/26/19

omartwahir said: ↗

that fixed it I though once you use namespace std that would include std::vector

No, a namespace can span multiple files

Report

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omartwahir

O

omartwahir

Options Graduate

Joined:

9/16/18

Messages:

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Points:

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3/26/19

APalley said: ↗

No, a namespace can span multiple files

So even if even though a file might be under that specific namespace, you still might need to include it seperately?

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3/26/19

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F

APalley

Joined:

12/10/09

Messages:

52,327

Points:

1,273

So even if even though a file might be under that specific namespace, you still might need to include it seperately?

Namespace and file inclusion are disparate concepts

Report

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omartwahir

↑

https://quantnet.com/threads/updated-level-9-code.31412/


5/7



Wentao Xiong

Joined: 11/18/18
Messages: 61
Points: 118

7/29/19 🔗 🔖 #18

APalley said: 


As of today, we've updated the provided code for level 9. This is expected to fix the following issues (which you may have seen mentioned throughout other threads):

- Migrate most code away from the proprietary Vector class to use `std::vector` and `std::array`.

[Click to expand...](#)

So where is the updated code?


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omartwahir
Options Graduate

Joined: 9/16/18
Messages: 911
Points: 303

7/29/19 🔗 🔖 #19


Wentao Xiong said: 

So where is the updated code?

I think what he is trying to say the codes presented now in the file is updated and the issues people had in the past which he mentioned would not happen to you. If you experience issues now, however you should post the issues you are receiving with the source code.

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APalley



GONG CHEN

Joined: 9/11/15
Messages: 3,799
Points: 523

11/13/19 🔗 🔖 #20

Ruian Ge said: 

Hi @APalley










Sorry, I still cannot figure out what is going wrong for group C code:

```
std::vector<T>::const_iterator i;
```

It reports that typename has to be in the front. I do set the project settings as well as include the boost

You will have to add typename before `std::vector<T>::const_iterator` — you may have done something similar in the Sum exercise

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