

How to complete the exercises in Autocode: Instructions

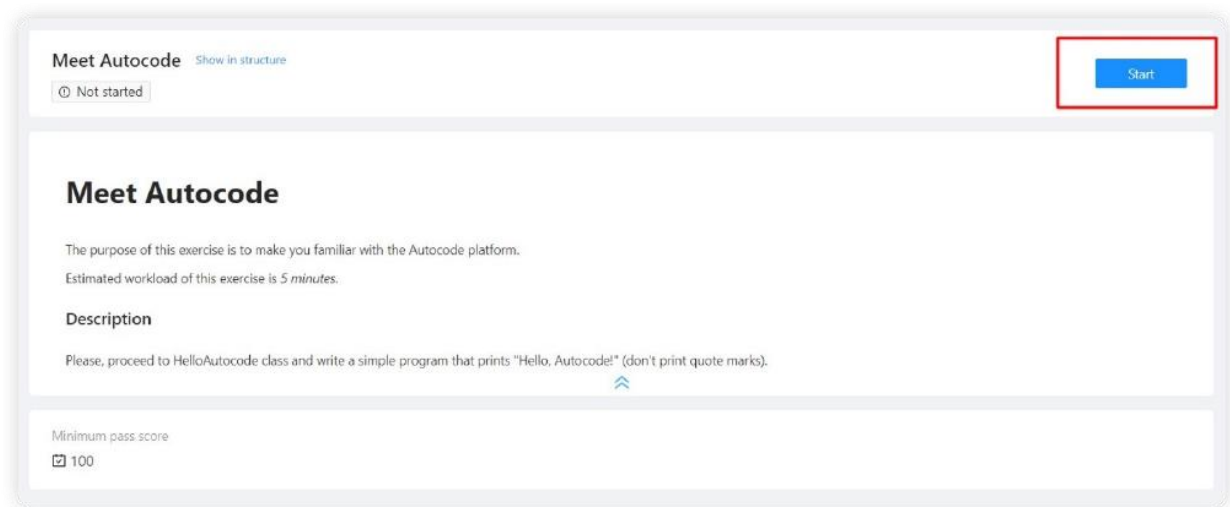
If you are unfamiliar with terms such as Git, Gitlab, repository, and commit, then we recommend exploring them first:

- Video Course "Version Control with Git"
<https://learn.epam.com/detailsPage?id=601f195a-d408-4439-a16d0630ed2a412e>
- Manual "Start using Git on the command line"
<https://docs.gitlab.com/ee/gitlab-basics/start-using-git.html>

Getting started

When you get a task, you will see its name and description.

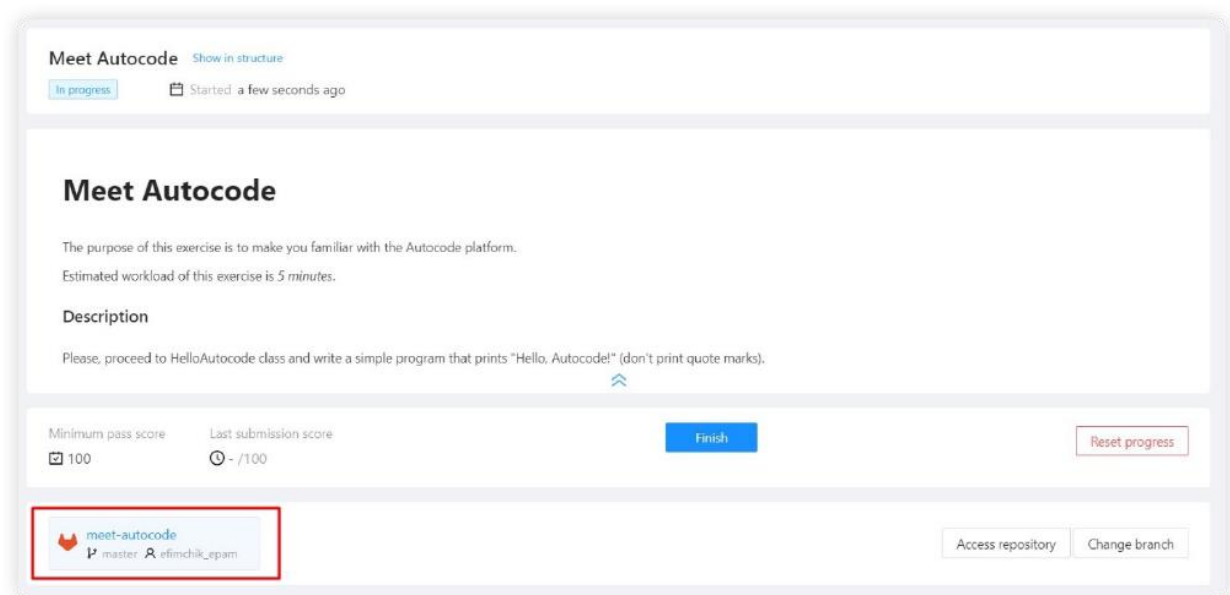
To start working on the task, click *Start*.



Next, Autocode will create a copy of the initial exercise repository in your Gitlab account.

For all of this to work properly, you might need to access your profile and link the accounts in Autocode and Gitlab.

Now the link to the repository will appear below the main description:



The link will take you to the repository page in GitLab:

Repository

M

meet-autocode

Star 0 Fork 0

Project ID: 31327388

3 Commits 1 Branch 0 Tags 51 KB Files 92 KB Storage

Forked from [autocode-exercises / java-basics / meet-autocode](#)

Auto DevOps
It will automatically build, test, and deploy your application based on a predefined CI/CD configuration.
Learn more in the [Auto DevOps documentation](#)
[Enable in settings](#)

master

meet-autocode /

History

Find file

Web IDE

Clone

README Specification Update
Evgenii Efimchik authored 1 month ago

b5703589

Upload File

README

Add LICENSE

Add CHANGELOG

Add CONTRIBUTING

Add Kubernetes cluster

Set up CI/CD

Configure Integrations

Name	Last commit	Last update
src	Refining the exercise	9 months ago
.gitignore	Refining the exercise	9 months ago
README.md	README Specification Update	1 month ago
pom.xml	Refining the exercise	9 months ago

README.md

Meet Autocode

The purpose of this exercise is to make you familiar with the Autocode platform.

Estimated workload of this exercise is *5 minutes*.

Description

Please, proceed to [HelloAutocode](#) class and write a simple program that prints "Hello, Autocode!" (don't print quote marks).

To complete an exercise, you need to clone it, or make a local copy of it on your computer. To do this, click *Clone* and copy one of the available links:

M

meet-autocode

Project ID: 31327388

Star 0

Fork 0

3 Commits


1 Branch

0 Tags

51 KB Files

92 KB Storage

Forked from [autocode-exercises / java-basics / meet-autocode](#)



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master


meet-autocode / +

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README Specification Update

Evgenii Efimchik authored 1 month ago

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README

Add LICENSE

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README.md

Meet Autocode

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Estimated workload of this exercise is 5 minutes.

Description

Please, proceed to [HelloAutocode](#) class and write a simple program that prints "Hello, Autocode!" (don't print quote marks).

Clone with SSH

git@gitlab.com:efimchik_epam/meet-

Clone with HTTPS

https://gitlab.com/efimchik_epam/m

Open in your IDE

Visual Studio Code (SSH)

Visual Studio Code (HTTPS)

Copy URL

SSH

To clone the repository using SSH, you will have to generate an SSH key for your computer and register it with Gitlab. This way, Gitlab will understand that you are the one trying to access your own repository. You can do this by following the simple instructions at <https://docs.gitlab.com/ee/ssh/>.

HTTPS

If you do not wish to generate an SSH key, you can use an HTTPS link.

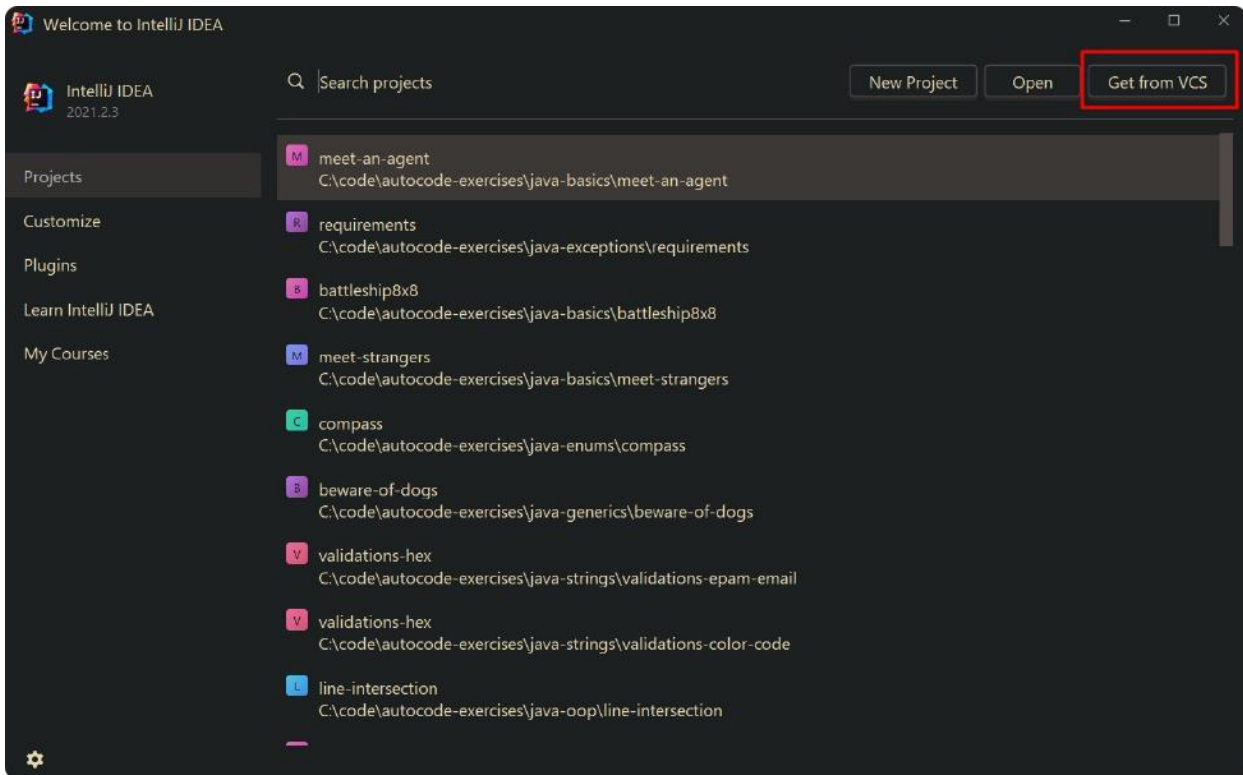
Then, when accessing the Gitlab repository, you will have to go through authentication—you will need to enter your login and password.

You will probably not need to do this every time; Windows has a special tool—Credential Manager—that automatically memorizes Gitlab account data after the first entry.

IDE

We recommend using an IDE to complete the exercises.
In the examples below, IntelliJ IDEA v2021.2.3 is used.

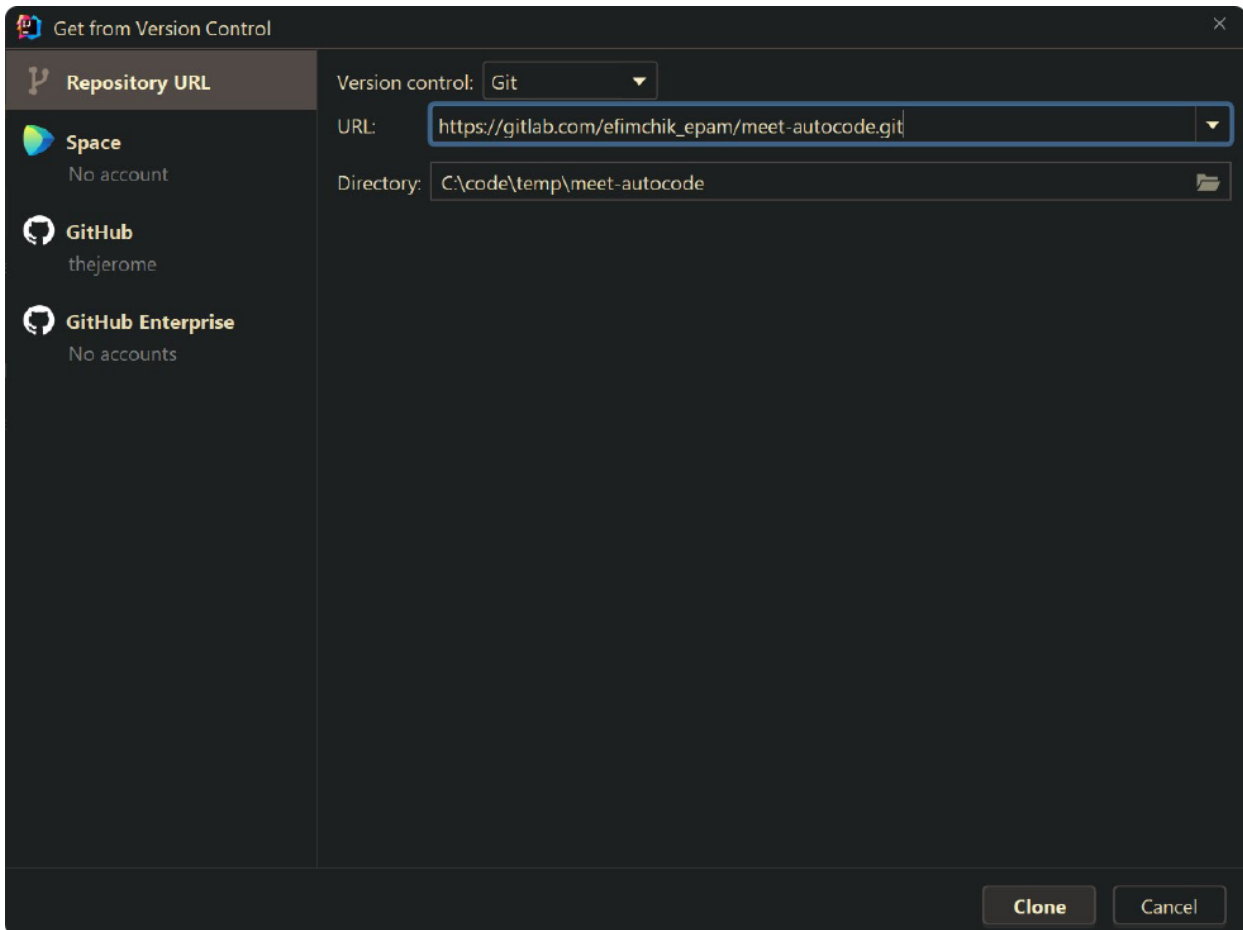
To clone the repository, click *Get from VCS*.



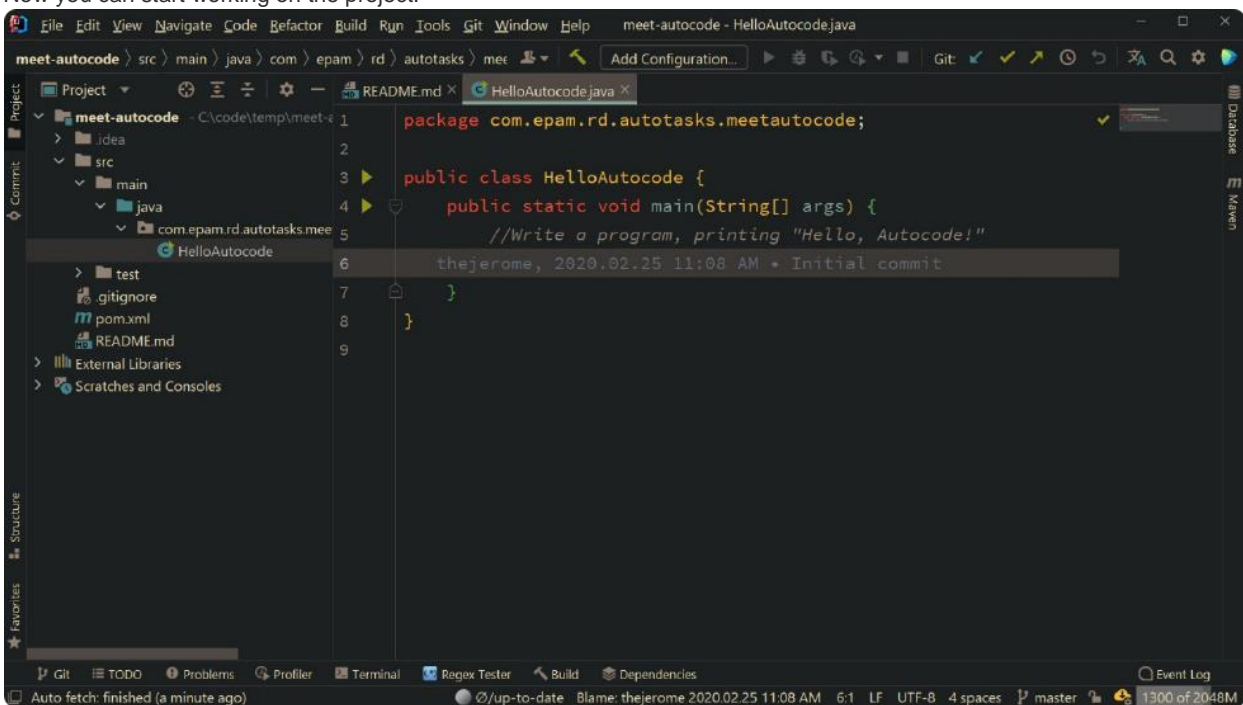
If you have already opened another project and do not see this button, you can find the *Clone* command in the dropdown Git menu.

One way or another, you will get a dialog where you can enter the link to the repository and the target directory on the computer where you would like to clone it.

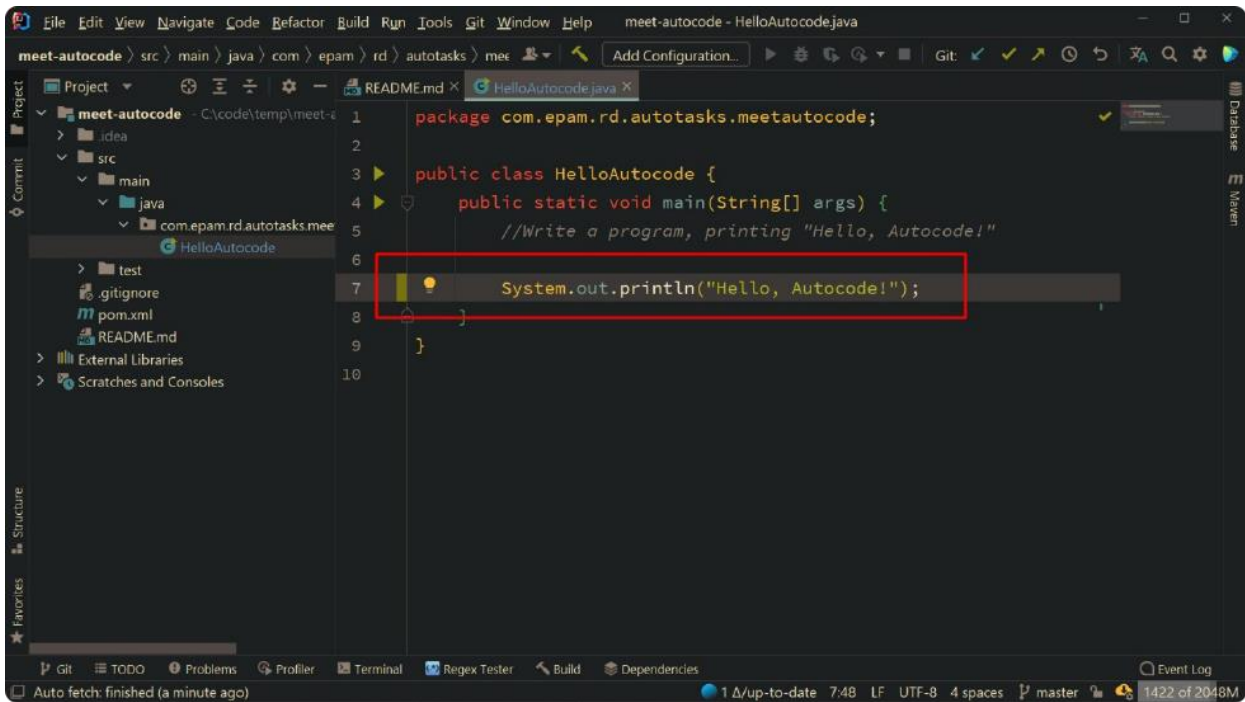
This is where you might need to enter your login and password to get access to the Gitlab repository.



After this, the repository will be imported into the IDE as a Maven project.
Now you can start working on the project.

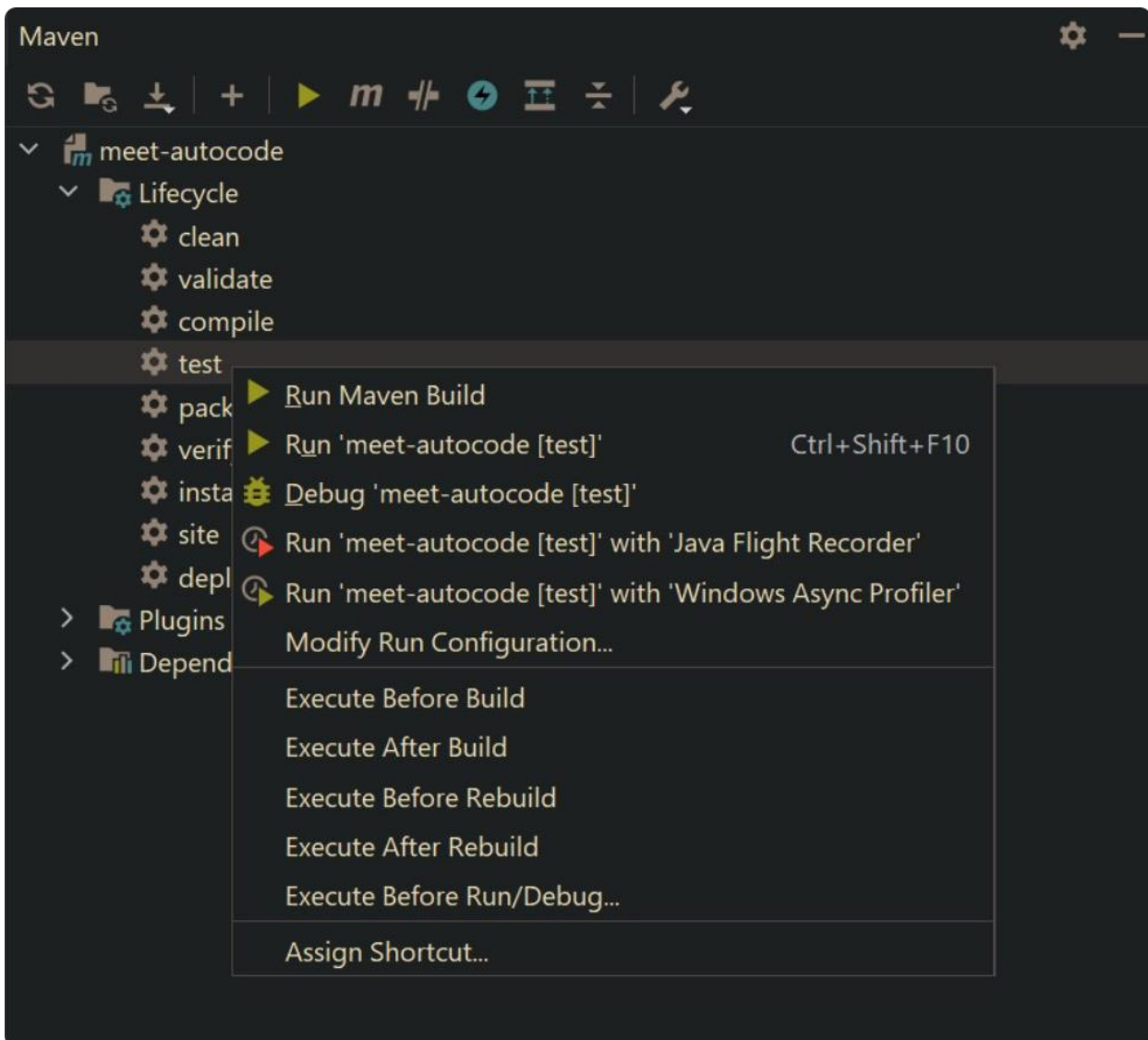


The first exercise is simple—you only need to write one line:



Now you can check your solution locally—by launching the tests.

To do this, you can open the Maven menu (which is usually on the right), select the lifecycle stage `test`, and launch it:

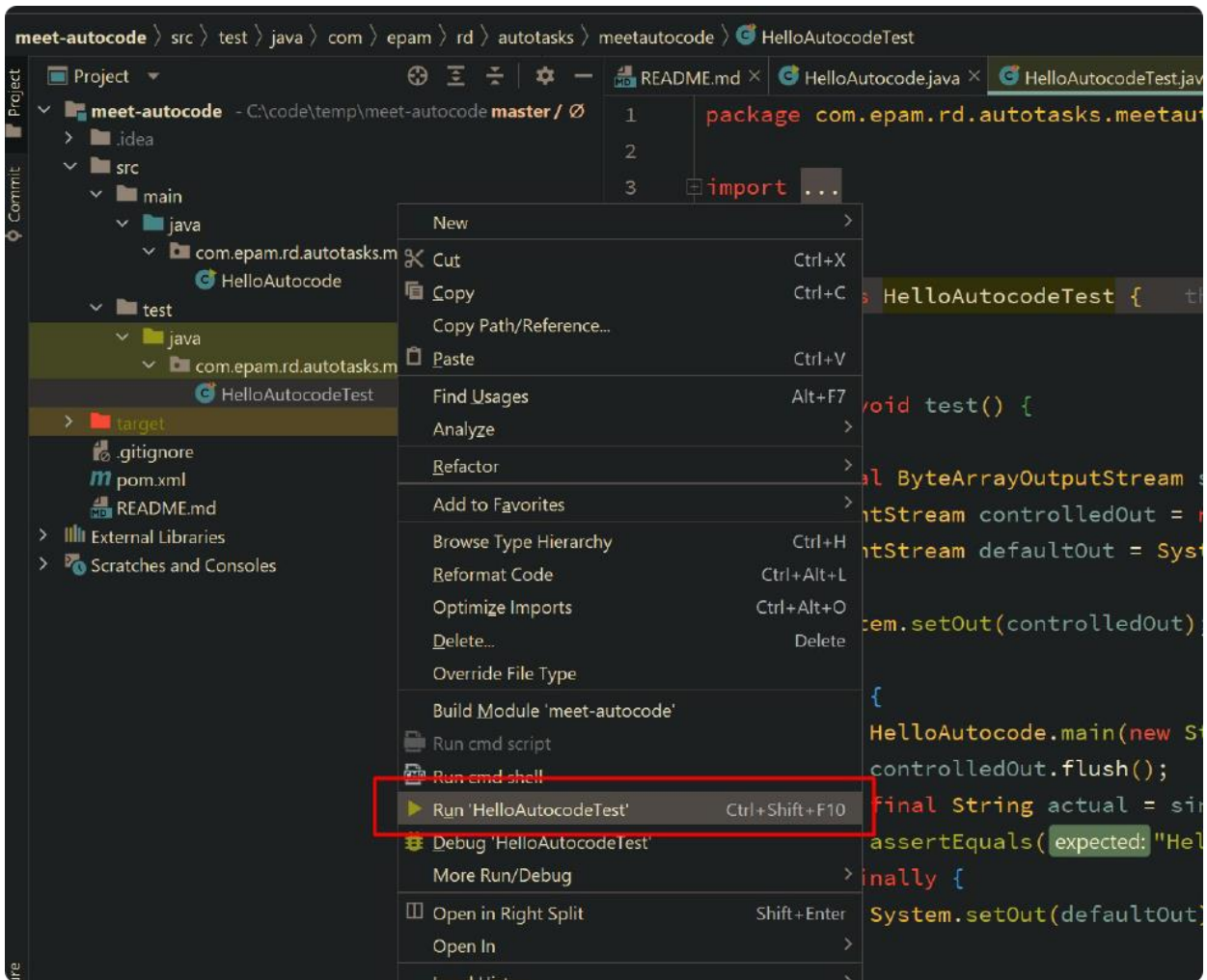


If everything is correct, we will see the longed-for words "BUILD SUCCESS" in the Run window.

```
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.02 s in com.epammeetautocode.tasks.meetautocode.HelloAutocodeTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.772 s
[INFO] Finished at: 2021-11-15T16:57:26+03:00
[INFO] -----

Process finished with exit code 0
```

You can also launch the tests using the IDE tools; in IntelliJ IDEA, it is enough to right-click on the test class and select the launch item.



Since the tests pass successfully, you can submit the solution.

Choose the *Commit* window (which can be invoked using Ctrl+K or the menu item Git -> Commit).

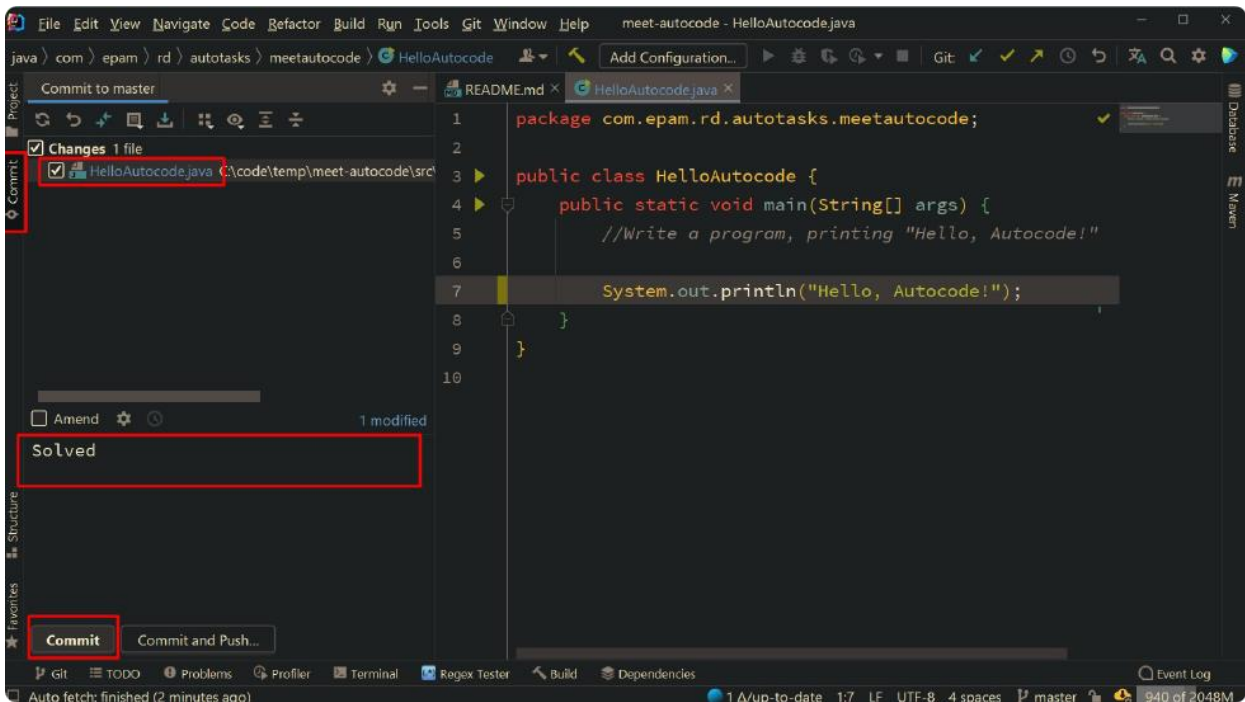
Select the files where the changes should be saved.

Save only the changes that refer to source code.

There is no need to save the IDE settings.

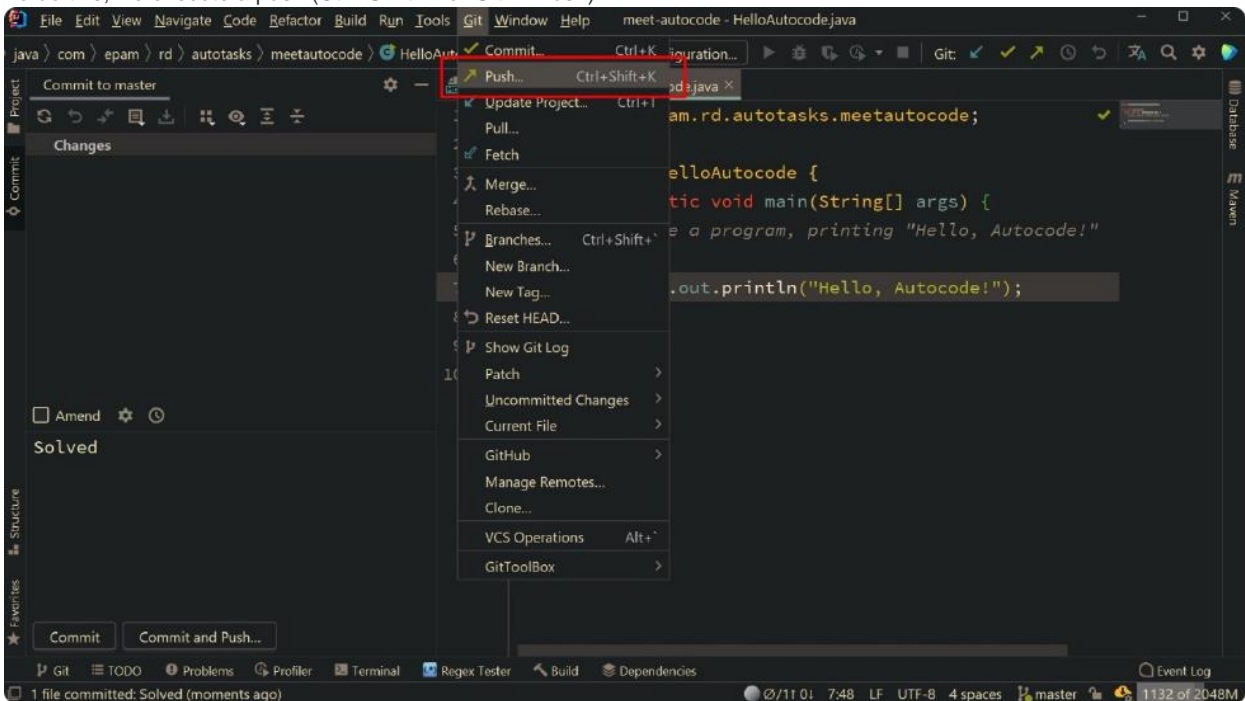
Remember: **DO NOT** change the code of the test files or pom.xml.

Here we enter a description of the changes, save them, and then click *Commit*.

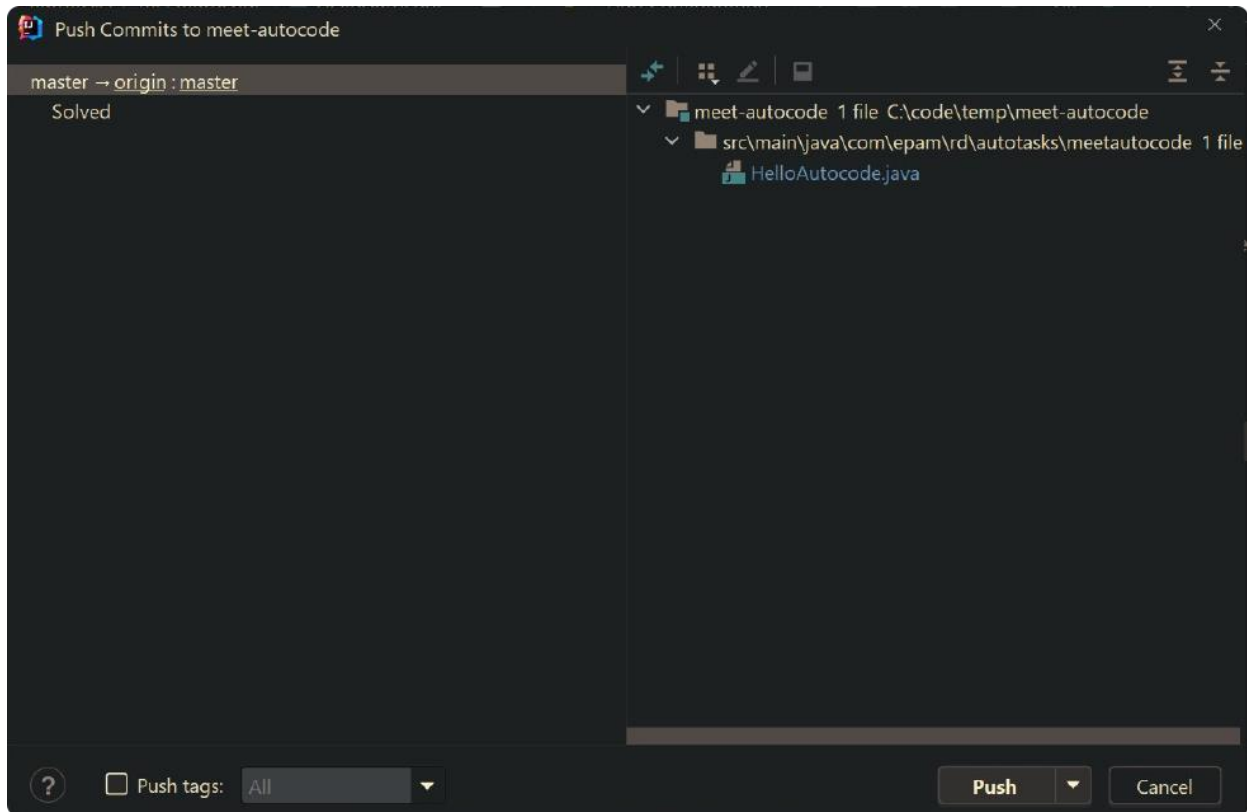


Now the saved changes should be sent to the Gitlab repository.

To do this, we execute a push (Ctrl+Shift+K or Git -> Push).



Select the branches and commits that need to be synchronized (It is very unlikely that you will have to change any settings here). Then click *Push*. The changes you made will be imported to the Gitlab repository.



Checking the solution

Now let's go back to the Gitlab repository.

It notifies you that it contains the latest changes, or the ones you just sent there.

M

meet-autocode

Project ID: 31327388

Star 0 Fork 0

4 Commits

1 Branch

0 Tags

154 KB Files

195 KB Storage

Forked from [autocode-exercises / java-basics / meet-autocode](#)

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[Enable in settings](#)

master

meet-autocode /

+

History

Find file

Web IDE

Clone

Solved
Evgenii Efimchik authored 1 minute ago

3f083c52

Upload File

README

Add LICENSE

Add CHANGELOG

Add CONTRIBUTING

Add Kubernetes cluster

Set up CI/CD

Configure Integrations

Name	Last commit	Last update
src	Solved	1 minute ago
.gitignore	Refining the exercise	9 months ago
README.md	README Specification Update	1 month ago
pom.xml	Refining the exercise	9 months ago

README.md

Meet Autocode

The purpose of this exercise is to make you familiar with the Autocode platform.

Estimated workload of this exercise is *5 minutes*.

Description

Please, proceed to [HelloAutocode](#) class and write a simple program that prints "Hello, Autocode!" (don't print quote marks).

If you click on the latest commit, you will see the changes it contains.
This is the solution we just executed a minute ago.

Commit 3f083c52 authored 1 minute ago by Evgenii Efimchik

[Browse files](#)[Options](#) ▾

Solved

[parent b5703589](#) [P master](#)

No related merge requests found

Changes 1

Showing 1 changed file ▾ with 1 addition and 0 deletions

[Hide whitespace changes](#)[Inline](#)[Side-by-side](#)▾ [src/main/java/com/epam/rd/autotasks/meetautocode/HelloAutocode.java](#) [View file @3f083c52](#)

```
...  ...  @@ -4,5 +4,6 @@ public class HelloAutocode {  
4    4      public static void main(String[] args) {  
5    5          //Write a program, printing "Hello, Autocode!"  
6    6  
7    7 +      System.out.println("Hello, Autocode!");  
8    8      }  
9    9  }
```

[Write](#) [Preview](#)[B](#) [I](#) [”](#) [</>](#) [@](#) [≡](#) [≡](#) [≡](#) [≡](#) [≡](#) [≡](#) [≡](#)

Write a comment or drag your files here...

Markdown and quick actions are supported

[Attach a file](#)[Comment](#) ▾

After making sure the changes have been imported to the Gitlab repository, return to Autocode.
Now you are ready to check the solution. Click *Submit solution*.

Meet Autocode

Show in structure

In progress

Started 9 minutes ago

Meet Autocode

The purpose of this exercise is to make you familiar with the Autocode platform.

Estimated workload of this exercise is 5 minutes.

Description

Please, proceed to HelloAutocode class and write a simple program that prints "Hello, Autocode!" (don't print quote marks).

Minimum pass score

Last submission score

Finish

Reset progress

meet-autocode

master efimchik_epam

Access repository

Change branch

Submit solution

Number of attempts: 0/10

No submissions

Autocode starts the verification process, and we can see the results.
Note that the number of attempts is always limited!

Meet Autocode

Show in structure

In progress

Started 10 minutes ago

Meet Autocode

The purpose of this exercise is to make you familiar with the Autocode platform.

Estimated workload of this exercise is 5 minutes.

Description

Please, proceed to HelloAutocode class and write a simple program that prints "Hello, Autocode!" (don't print quote marks).

Minimum pass score

Last submission score

Finish

Reset progress

meet-autocode

master efimchik_epam

Access repository

Change branch

Submit solution

Number of attempts: 1/10

#1

Queued

1

Checkout

Not started

2

Compile

Not started

3

Test

Not started

Score

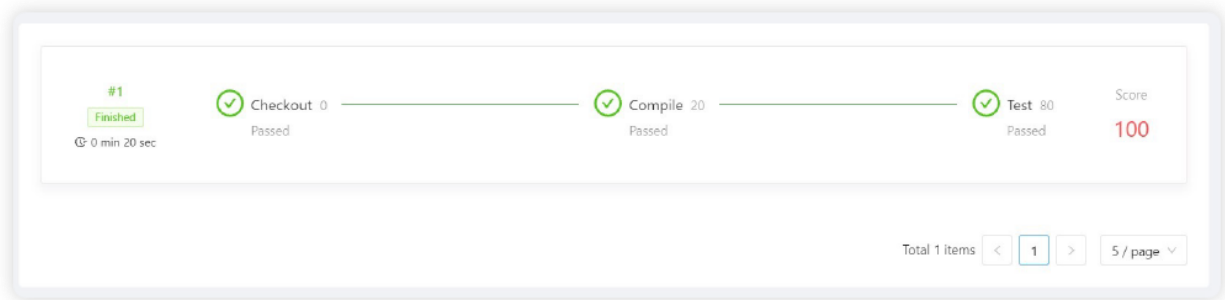
0

Autocode has completed the verification, and we got the maximum number of points—100.
Autocode performs the same tests we ran locally.

For this exercise, any result below 100 will be considered a failure.

If these tests are not successful, Autocode will show us the reported errors.

In most cases, if the tests are successful on your computer, everything should also be fine in Autocode.



Our first and last attempt was successful, so we can finish the exercise by clicking *Finish*.

The 'Meet Autocode' exercise page. It includes a title 'Meet Autocode', a description 'The purpose of this exercise is to make you familiar with the Autocode platform. Estimated workload of this exercise is 5 minutes.', and a description 'Please, proceed to HelloAutocode class and write a simple program that prints "Hello, Autocode!" (don't print quote marks).'. Below the description, a green bar indicates 'Your last submission has enough score to finish this assignment successfully'. A table shows 'Minimum pass score' as 100 and 'Last submission score' as 100/100. A blue 'Finish' button is highlighted with a red border. A 'Reset progress' button is also visible. At the bottom, there is a repository link 'meet-autocode' and buttons for 'Access repository' and 'Change branch'.

You can leave feedback or report any trouble you had.

A 'Finish assignment' dialog box. It has a title bar with a close button. Below the title bar is a rich text editor with a toolbar containing icons for bold, italic, underline, list, link, unlink, quote, code, table, image, and fullscreen. The text area contains the text 'That was easy'. At the bottom, there are 'Cancel' and 'Finish' buttons.

Now we see that the exercise has been completed successfully and can proceed to the next one.

Meet Autocode [Show in structure](#)

 **Finished**

 Started 11 minutes ago

[Review](#)

Meet Autocode

The purpose of this exercise is to make you familiar with the Autocode platform.

Estimated workload of this exercise is 5 *minutes*.

Description

Please, proceed to HelloAutocode class and write a simple program that prints "Hello, Autocode!" (don't print quote marks).



Minimum pass score:

 100

Final score

 100

Passed

[Details](#)

 Finished a few seconds ago

[Resume](#)

[Reset progress](#)



meet-autocode

 master  efimchik_epam

[Access repository](#)

Error identification

Compilation error

1. Click **Compile** and **Show log**.

The screenshot shows the 'Autocode (External resource)' interface. At the top, it says '(100.0 points possible)'. Below this, there's a header with 'task-carousel' and '37338967 TaskCarousel is implemented by Aizhan Dussanova 8 minutes ago'. There are buttons for 'Re-fork repository' and 'Change branch'. A 'Submit solution' button is on the left. On the right, it says 'Number of attempts: 1/10'. The main area shows a progress bar with four steps: #1 Failed (0 min 15 sec), Checkout 0 Passed, Compile Failed (highlighted with a red arrow), and 3 Test Not started. A 'Score' box on the right shows '0'. At the bottom, it says 'Total 1 items' and '1 / 5 / page'.

2. Read the reasons carefully.

```
[INFO] Scanning for projects...
[WARNING]
[WARNING] Some problems were encountered while building the effective model for com.epam.rd.autotasks:taks-carousel
[WARNING] 'build.plugins.plugin.version' for org.apache.maven.plugins:maven-compiler-plugin is missing. @ line 35,
[WARNING]
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.
[WARNING]
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.
[WARNING]
[INFO]
[INFO] -----< com.epam.rd.autotasks:taks-carousel >-----
[INFO] Building taks-carousel 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ taks-carousel ---
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ taks-carousel ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /tmp/builds/autocode_456074/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ taks-carousel ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
[INFO] Compiling 5 source files to /tmp/builds/autocode_456074/target/classes
[INFO]
[INFO] BUILD FAILURE
[INFO]
[INFO] Total time: 1.566 s
[INFO] Finished at: 2023-01-11T10:28:00Z
[INFO]
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-compiler-plugin:3.1:compile (default-compile) on project taks-carousel: Compilation failure
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoExecutionException
```

3. You need to roll back the project to its initial state and execute the solution again. Most often, this error is associated with incorrectly moving the project skeleton to your programming environment—the Maven pom-file (changing the Java JDK version).

4. If you have issues with completing Step 3, please contact Support.



Help & Support

Home / Contact Support

Leave us your problem or idea.
Sharing some screenshots to reproduce the
corresponding steps would be helpful.

0 / 2000

📎

 Attach file

Send

Failed tests

1. Click **Score** and **Details**.

#1
Finished
0 min 57 sec

Checkout 0
Passed

Compile 0
Passed

Test 0
Passed

Score

0

Checkout

Score

0 / 0

meet-autocode

master

LeonidMelnichen...

c3337d95 Merge branch 'readme_ru' into '...

Evgenii Efimchik a year ago

Compile

Score

0 / 0

Test

Score

0 / 100

Tests Total

1

0

0

1

0

Details

2. Carefully read every failed test and make changes to your code accordingly.

Tests

Test name: zeroInputTest

Test name: anyNamesTest(List)[1]
Failure message:
org.opentest4j.AssertionFailedError: expected: <Hello, Angus> but was:
<Hello,Angus>

Test name: anyNamesTest(List)[2]
Failure message:
org.opentest4j.AssertionFailedError: expected: <Hello, Agent Smith>
but was: <Hello.Agent Smith>

Test name: anyNamesTest(List)[3]
Failure message:
org.opentest4j.AssertionFailedError: expected: <Hello, Kiefer William
Frederick Dempsey George Rufus Sutherland> but was: <Hello,Kiefer
William Frederick Dempsey George Rufus Sutherland>

Test name: anyNamesTest(List)[4]
Failure message:
org.opentest4j.AssertionFailedError:
expected: <Hello, Carl Johnson
Hello, Robert
Hello, R2-D2> but was: <Hello,Carl Johnson
Hello,Robert
Hello,R2-D2>

Test name: anyNamesTest(List)[5]
Failure message:
org.opentest4j.AssertionFailedError:
expected: <Hello, Bilbo Baggins
Hello, Darth Vader
Hello, Martin
Hello, Paul> but was: <Hello,Bilbo Baggins
Hello,Darth Vader
Hello,Martin
Hello,Paul>