Before your lab session, make sure you have:
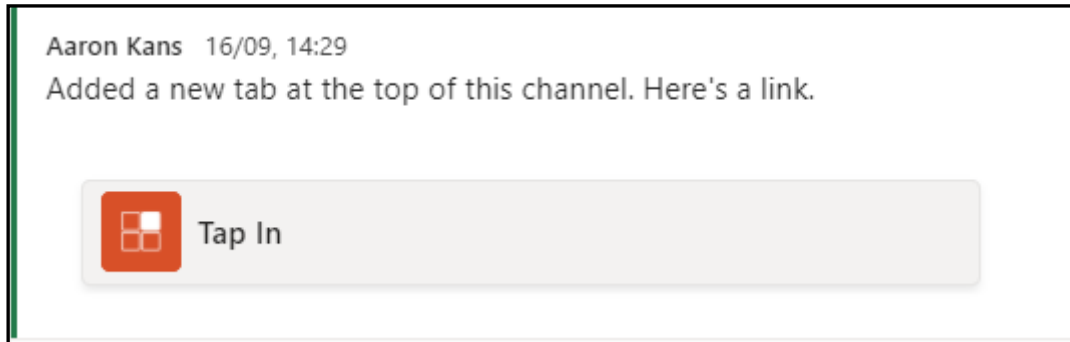
- **watched** the WEEK 8 lecture videos on the **CD/CN4001 Moodle Site** by clicking here
- **logged on** to the live lecture Q&A on **Monday 10-11am** via the **CD4001/CN4001 Teams** site by clicking here.
- When joining the Q&A on Teams, please make sure you click the **Tap-In** button at the top of the **General channel** at 10am (link here):

Then check your timetable to find out the day/time/location of your lab session.

If you have permission from your course leader to study remotely, follow these instructions to access your remote lab (Tuesday 4-6pm):

1. *Go to the ON-LINE LAB (Tue 4-6) channel on your **CN4001/CD4001 Software Development Microsoft Teams** site by clicking here.*
2. *Wait for your tutor to start the lab session. To join the session, click on the "**Join**" button that will appear when your tutor starts the session.*

To open the web-based Java IDE called **JDoodle** click here.

Go to the Moodle or Teams sites; download and save the **BankAccount.java** file onto your desktop (do not modify this class) then
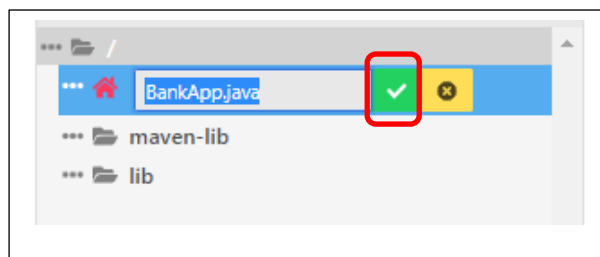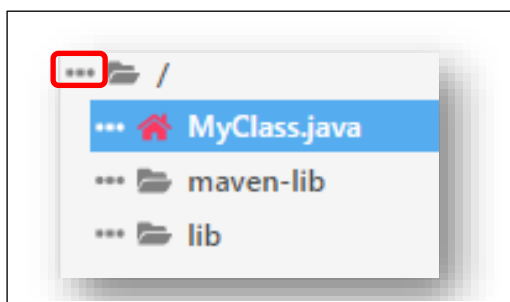
a)   Select the **Advanced Java IDE** interface:

b)   In the default **MyClass** program provided, delete the default code in the **main** method and rename the class name to **BankApp**

c)   Ensure the name of the file in the project folder matches this new name by selecting the **3 dots** against the **MyClass.java** file and select the **Rename** option
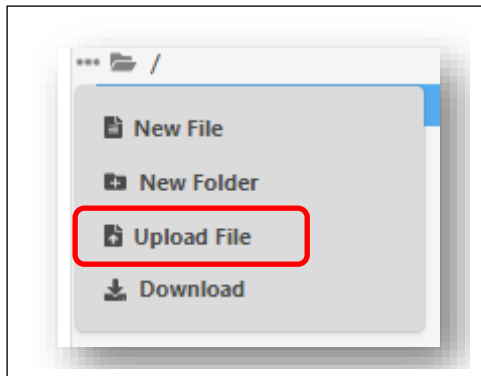

d)   Change the name to **BankApp** and click the tick:

e)   You will write today's code in this **BankApp** file, but it needs access to the **BankAccount** file that you have downloaded. So, upload the **BankAccount** file to the same project folder by selecting the **3 dots** by the Main Folder icon

f) Select **Upload File** and upload the **BankAccount.java** file:

To allow for user input also slide the **Interactive** slider to the **on** position.

ASSESSED TASK: **4 marks**

For this task we will make use of the **BankAccount** class discussed in the lecture.

a) In the **main** method of the **BankApp**, create 2 **BankAccount** objects, **acc1** and **acc2**, with the following account numbers and names:

> **acc1:** number: **"111"** name: **"Batman"**
> **acc2:** number: **"222"** name: **"Robin"**

b) In the **BankApp** program, write a method, **displayAccount**, that accepts a **BankAccount** object and displays the account's number, name and balance.

c) Modify the **main** method so that it calls the **displayAccount** method twice, once with **acc1** and once with **acc2**.

d) Write instructions in the **main** method to deposit 100 pounds into **acc1** and 50 pounds into **acc2** and then use the **displayAccount** method to display these 2 accounts again.

e Write instructions in the **main** method to withdraw 75 pounds from **acc1** and also 75 pounds from **acc2** and then use the **displayAccount** method to display these 2 accounts again.

f) Add some Javadoc comments into this program

g) Download the **BankApp.java** file only from JDoodle and then upload this file only to **Moodle** via the **submission link**.