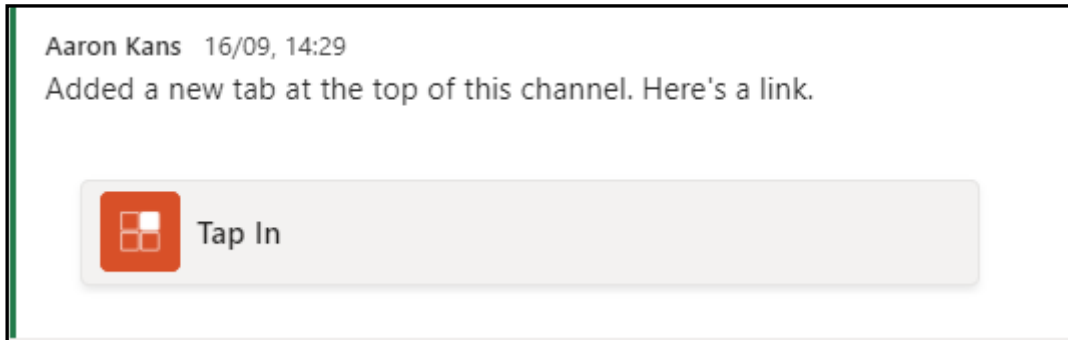


**Before your lab session**, make sure you have:

- **watched** the WEEK 6 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](#)):



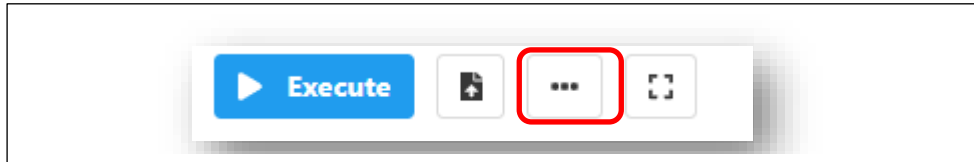
Then check your timetable to find out the day/time/location of your lab session.

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

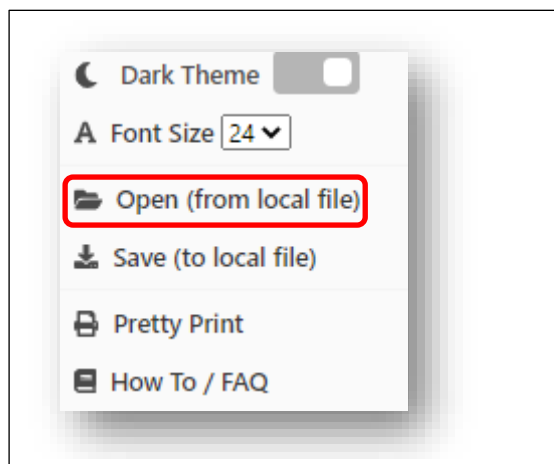
1. Go to the ON-LINE LAB (Tue 4-6) channel on your **CN4001/CD4001 Software Development Microsoft Teams** site by clicking [here](#).
2. Wait for your tutor to start the lab session. To join the session, click on the “**Join**” button that will appear when your tutor starts the session.

To open the web-based Java IDE called **JDoodle** click [here](#). Go to Moodle/ Teams; download and save the **FindCostApp.java** file onto your desktop then:

- a) Select the three dots by the **Execute** button:



- b) From the pop-up menu select **Open (from local file)** and browse to your **FindCostApp.java** file on your machine to open that file in JDoodle



- c) To allow for user input slide the **Interactive** slider to the **on** position.



## ASSESSED TASK: 4 marks

This week's task will return to the program that calculates the final cost of a product given an initial price and a rate of sales tax.

- a) Compile and run the **FindCostApp** program to make sure it is working.
- b) Re-write this program so that a method, **displayTitle**, is used to display the title (*\*\*\* Product Price Check \*\*\**).
- c) Rewrite this program again by using a **displayPrice** method to display the final cost of the product.
- d) Finally, re-write this program by developing a **calculateFinalPrice** method. This method should receive the original price and tax rate from the **main** method and then should calculate, and *return* back to **main**, the final price of the product.
- f) Add some comments into this program
- i) Download the **FindCostApp.java** file from JDoodle and then upload it to **Moodle** via the correct **submission link**.