CT103: Week 3 Lab Session (12/10/2021)

Note: This is your first assignment and will count towards your final grade.

*Make sure you submit your solution by following the "**Submission Instructions**" at the end of this document. An exception will be made this week so that you have **until midnight 12/10/2021 to submit your solution on Blackboard**.*

Please make sure you **write comments** explaining what your code does. Start your C program with a **comment stating your; Name, Student ID and Date**.

Write a C program that does the following:

1. Requests the user to enter the total daily sales (Euro) for a supermarket on 4 separate days. These should be stored using 4 separate variables.

2. Calculate the average daily sales over the 4 days and print the result to the screen.

3. If the average daily sales is less than €10,000, print a message to the user saying that sales are low. If the sales are between €10,000 and €15,000, print a message saying the sales are normal. If the sales are over €15,000, print a message saying that the sales are high.

4. The average number of daily customers is 500. Calculate the average spend per customer (Euro). Print the result to the screen.

Plagiarism Notice:

A definition of plagiarism is passing off the work of another personas one's own.

You are allowed to ask the lab tutors for help, collaborate with your classmates and review online and print resources for high-level problem solving and background research. You are each expected to complete this assignment individually. This means that every line of code and comment in your submission should be written by you alone. Please see the NUI Galway Code of Practice for Dealing with Plagiarism for further information on plagiarism: https://www.nuigalway.ie/plagiarism/

Plagiarism is a serious academic offence and may lead to a loss of some or all marks and/or disciplinary proceedings if it is detected in any of your submissions. Students who facilitate others to copy their work are also subject to plagiarism sanctions (including loss of marks), so you should not share your assignment solutions with classmates.
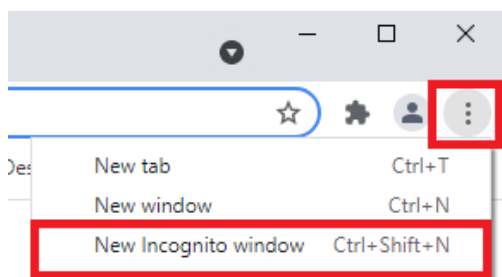
Submission Instructions:

Please do the following to submit your solutions to the assignment.

- Copy and paste your code into a word document labelled 'Assignment3_YOURNAME_ID.doc', e.g. 'Assignment2_JoeBloggs_123456789.doc'.

- Make sure to **include screenshots of your code working** in the .doc file. Use: 'Windows' + 'Shift' + 'S' on your keyboard. On a Mac, you should use the keys: 'shift' + 'command' + '3' or 'shift' + 'command' + '4'.

- Add both: **your .c program** and **your .doc** files to a folder called 'Assignment3_YOURNAME_ID_Submission'.

- Zip the folder up and **submit the .zip file on blackboard** under CT103 Assessments. To zip the folder, right click and press 'Send To' then 'Compressed (zipped) folder'. On Mac, right click the folder and press 'Compress'.

- You can access blackboard using the instructions at the bottom of the page.

- If for some reason you still cannot access blackboard. Send your .zip folder to the lab instructors by email.
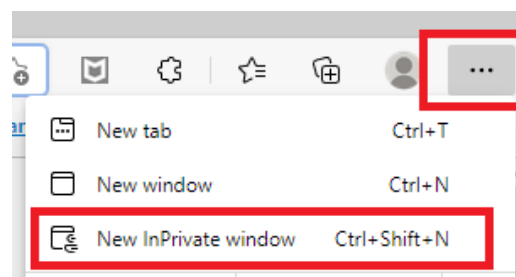
Instructions on how to access to Blackboard.

This is a temporary method of access to Blackboard to work-around access issues arising from the ongoing Security Incident

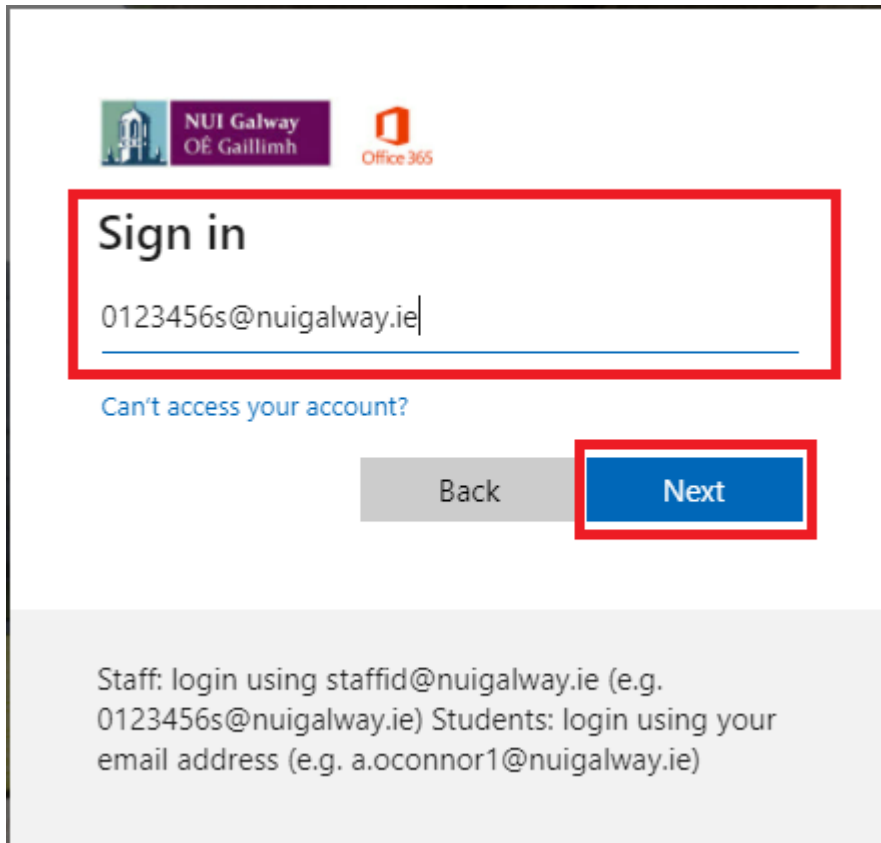1. Open a browser window in Incognito/InPrivate mode

Chrome Incognito   **Microsoft Edge InPrivate**

2. Go to https://nuigalway.blackboard.com/

3. Click the "Sign in with a third-party account" drop down and select the appropriate Blackboard SSO option. Staff select "Blackboard SSO Staff". Students select "Blackboard SSO Student"

4. You will be directed to the University Office365 login page. Enter your O365 login details and click "Next". Staff: login using staffid@nuigalway.ie (e.g. 0123456s@nuigalway.ie) Students: login using your email address (e.g. a.oconnor1@nuigalway.ie)

NUI Galway
OÉ Gaillimh

Office 365
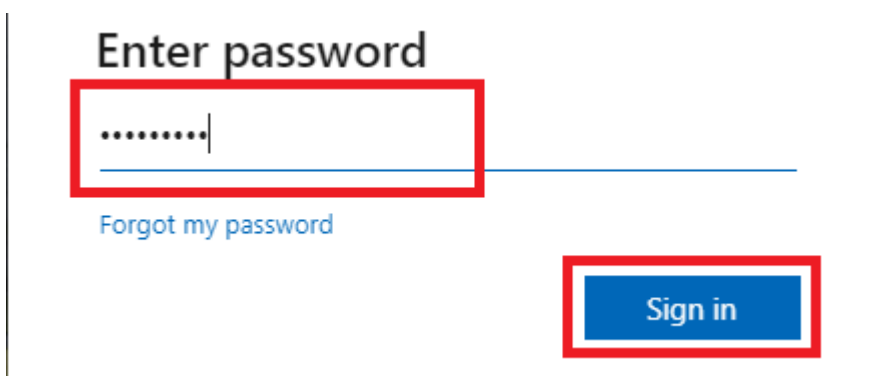
Sign in

0123456s@nuigalway.ie

Can't access your account?

Back   Next

Staff: login using staffid@nuigalway.ie (e.g. 0123456s@nuigalway.ie) Students: login using your email address (e.g. a.oconnor1@nuigalway.ie)

5. Enter your password and click "Sign in"

Enter password

••••••••

Forgot my password

Sign in

6. If your O365 account uses Multi Factor Authentication (MFA) you will be texted a code. Enter the code and click "Verify"

Enter code

💬 We texted your phone +XXX XXXXXXX04. Please enter the code to sign in.

Code

☐ Don't ask again for 60 days

Having trouble? Sign in another way

More information

Verify

7. On the "Stay signed in" page click "Yes". You will then be logged into your Blackboard account

Stay signed in?

Do this to reduce the number of times you are asked to sign in.

☐ Don't show this again

No   **Yes**