School of Computer Science and Engineering

4COSC003W Trends in Computer Science

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Tutorial, Week 3

Task 1

Complete and discuss any outstanding tasks from the week 2 tutorial handout.

Task 2

Confirming your Coursework group

i. Choose your group. Your group will normally consist of three to five students. Groups of four students will be the norm.
   If you are unsure which group to join, your tutor will help you by introducing you to other students.
   Your tutor **will note** all the members of your group and name your group (e.g. CS01_Group1).
ii. Discuss with your group whether you would prefer to work on Quantum Computing; or on Machine Learning. All members of your group will work on either Quantum Computing or Machine Learning.
iii. Discuss and decide with your group which question each one of you will work on. Do let your tutor know which question each member of the group chose by the end of the session, if possible.
   Consider the CW specification for the list of questions.

Task 3
How to plan a successful presentation

- The CW 1 specification states:

"Each student must research their chosen sub-question; plan the presentation; design a visual presentation; and present orally [for approximately 5 minutes] your research during the dedicated tutorial session [week 7 or week 8]."

Moreover, it also suggests:

"Each student needs to prepare visual aids for their presentation (slides), using PowerPoint or a similar software.
Indicatively, your presentation might be structured as follows:

Slide 1: Title; Name of author (student) and ID number; Module Code and Name; Tutorial Slot (Day and Time); Tutor's Name;
Slide 2: Introduction (aim and structure of the presentation);
Slides 3-6: Research Findings (divided into sections as appropriate)
Slide 7: Conclusion and Critical Evaluation (summary of findings/ your opinion);
Slide 8: References (using an alphabetical referencing system, such as Cite Them Right Harvard or a numerical referencing system, such as IEEE)"

3.i. In your view, why is the ability to give a presentation an important skill for Computer Scientists and Software Engineers? Share your answers with your class.
3.ii. In your view, what makes a presentation successful? Share your answers with the class.

You might want to also consider the following video, either as part of the tutorial or as part of your independent study. Remember to access it via Library Search!

- How to give oral presentations
  https://www.linkedin.com/learning/master-confident-presentations/welcome?u=42314660

Task 4

Assuming you have chosen the sub-question you will be presenting, using library search (www.westminster.ac.uk/librarysearch) identify one source that will be useful for your presentation.
Answer the following questions:

4.1 Which keyword did you use to identify this source?
4.2 Why do you believe it is academically appropriate?
4.3 How can you demonstrate that it is current, authoritative and reliable?
4.4 How do you know that its content might be appropriate for your chosen sub-question?
4.5 Try to write a full reference for this source using the Westminster Harvard referencing system. Remember to follow this order
Author's Surname, I(nitial). (date) Title Location: Publisher

In tutorial week 4 we will ask you to present your source orally, also as a first mini presentation rehearsal.

Independent Study

- Referencing systems
  Why do we use referencing systems? What is the difference between an alphabetical and a numerical referencing system?
- Complete the LinkedIn Learning course on successful presentations.
  https://www.linkedin.com/learning/master-confident-presentations/welcome?u=42314660
- Consider the Following British Computer Society article where an IBM security specialist discusses a career in Cyber Security
  https://www.bcs.org/content-hub/a-career-in-cyber-security/