MA2252 Introduction to Computing Lecture 1: Introduction and MATLAB Basics

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Learning outcomes

- Understanding what computing means
- Introduction to MATLAB as a programming language
- Introduction to the course on Blackboard
- Overview of MATLAB environment

Introduction

What is computing?

Using computers to solve a problem.

H has all the and

Some programming languages:

- · c , C+x, Java
- Python
- MATLAB

Introduction (contd.)

Why do programming? To do tedious calculation tasks To build your own calculator! To find numerical solutions

Example of a program

Find all numbers divisible by 15 from 1 to 100.

Polling

I want to know if you have past programming experience.

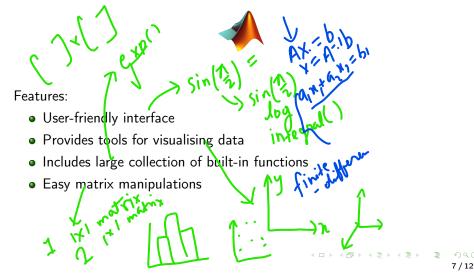
Please go to the link $\underline{\text{https://www.menti.com/al76t3kh6sg7}}$ provided in chat

or

visit https://www.menti.com and enter the code 84161441

MATLAB platform

MATLAB is a popular programming language used by mathematicians, engineers and scientists to solve problems.



MATLAB installation

Install MATLAB • here

University of Leicester provides free MATLAB license for students.

Course introduction on Blackboard

Let's go to Blackboard!

MATLAB environment

The MATLAB environment contains four windows:

- Current Folder current directory
 Command window enter the commands
- Command history window
- Workspace window

MATLAB environment (contd.)

Demo

End of Lecture 1

Please provide your feedback • here