Informatics Practical Work



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Final Assessment /Evaluation



1. Test de sortie

Objectives

This test will allow you to make a summary of the course and whether the targeted skills have been acquired.

Exercice : Assignment N°1

A vector is a	d	imensional array	er words, it is	row with	
	columns or singl	e	with	rows.	

Exercice : Assignment N°2

A vector in MATLAB is defined with consider

O square bracket

O square bracket and comma

O comma

Exercice : Assignment N°3

What's the command in MATLAB that allow you to create a regular vector with known first number and last number and steps

11 - C

Exercice : Assignment N°4

In MATLAB, row and column numbers always start with

 \Box 0

 \Box 1

□ -1

□ one

□ -5

0.8

Exercice : Assignment N°5

In MATLAB, to find the maximum and minimum values of the vector x

- **O** maxs(.) and minx(.)
- O minimum (.) and maximum (.)
- **O** maximum (.) and minimum (.)
- **O** max(.) and min(.)

Exercice : Assignment N°6

In MATLAB, to find the summation and the production values of the vector x

0	Sum(.)	and	Prod(.)
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- O sum(.) and Prod(.)
- O sum(.) and prod(.)
- **O** Sum(.) and prod(.)

Exercice : Assignment N°7

to sorts the elements of a given vector x in ascending order arrange without or with reputation, we use the command/function sort(.,'descend')

🛛 Vrai

□ Faux

Exercice : Assignment N°8

indicates all existing variables with their types and values

we use it to formulate our expressions and interact with MATLAB, and it is the most used window

.....

indicates the current directory and the existing files

		r
Current folder	Command window	Workspace

Exercice : Assignment N°9

A polynomial of degree n is represented by a vector of size (n+1)

O Oui

O Non

O relevant to the polynomial

O relevant to the number of elements

Exercice : Assignment N°10

The roots of a polynomial are the values of the independent variable that make

- 1. the polynomial -1;
- 2. the polynomial 1;
- 3. the polynomial 58;
- 4. the polynomial -44;

Exercice : Assignment N°11

to compute the derivative of the polynomial f(x)

O polyint(f)

O polyder(f)

O polydir(f)

O polyder(g)

Exercice : Assignment N°12

Using the polyint(g) function/command allows you to compute the integration of the polynomial f(x)

O true

O false

Exercice : Assignment N°13

Check the correct answer, which is how to create a regular vector

 \Box v = Xi : P : Xf

□ linspace(Xi, Xf, N)

□ linspace(Xi, Xf)

 \Box v = Xi : Xf

□ linspaces(Xi, Xf, N)

- \Box v = Xi, P, Xf
- □ linspace(Xi . Xf . N)

Exercice : Assignment N°14

Transpose of	vector			
Is an	that	а	vector into a	vector, and vice-versa
using the	comman	ds or the		
	().			

Exercice : Assignment N°15

if you don't write or give the N in the command linspace(X1 , X2 , N) that allow you to create a regular vector, what's the exact number will be consider form MATLAB $\$

Exercice : Assignment N°16

Find the mistakes?



- **O** no mistakes
- O one mistake
- **O** so many mistakes
- **O** two mistakes

Bibliography

MATLAB A PRACTICAL INTRODUCTION TO PROGRAMMING AND PROBLEM SOLVING

MATLAB A SELF-TEACHING GUIDE

MATLAB for Beginners

Web bibliography

https://www.tutorialspoint.com/matlab/matlab_vectors.htm

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