

**Under the patronage of His Excellency the
Minister of Education
Mr. Mohamed Abdel Latif**

**and the directives of
Dr. Hala Abdel Salam**

**Head of the Central Department of General
Education**

Evaluations and Assignments

**Information and Communication Technology
for the Second Preparatory Grade
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Second Preparatory Grade – Weekly Evaluation and Homework – Week (6)

Weekly Evaluation

First Test

Put (✓) in front of the correct statement or (x) in front of the incorrect statement:

1. Python language does not contain libraries to support data analysis. ()
2. The function np.mean () is used for cleaning and processing data. ()

Second Test

Put (✓) in front of the correct statement or (x) in front of the incorrect statement :

1. Python language can be used to analyze date and time data. ()
2. The maximum value (Max) is the smallest value in the data. ()

Third Test

Put (✓) in front of the correct statement or (x) in front of the incorrect statement :

1. The arithmetic mean produces a decimal number even if the results are integers. ()
2. Data analysis helps in making decisions based on facts. ()

Class Evaluation

Dear student: Use Python language to create a list containing the numbers we want to calculate their average.

Homework

Choose the appropriate answer to complete each of the following statements:

1- What type of data can be analyzed using NLP?

- | | |
|--------------------|---------------|
| a- Numerical data. | b- Images. |
| c- Texts. | d- Dates only |

2- Which library is used for graphical visualizations in Python?

- | | |
|----------------|--------------|
| a- Pandas. | b- NumPy. |
| c- Matplotlib. | d- Datetime. |