Under the patronage of His Excellency the Minister of Education

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and the directives of

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Evaluations and Assignments

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Third Preparatory Grade – Weekly Evaluation and Homework - Week (4)

Unit 1: Artificial Intelligence and Programming Languages

Lesson 3: (Strings and Lists in Python)

Weekly Evaluation

First Test

Answer the following questions:

1. Define a string in Python and provide an example.
2. Explain how to access the first and last characters of the string "Python" using indexing.

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

What is the output of executing the following code?

```
text = "Hello"
print(len(text))
```

1) 4
2) 5
3) 6
4) Program error

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Second Test

Answer the following questions:

1. What are the uses of the "len()" function with strings? Provide an example.
2. How can you check for the presence of a specific character within a text using "in"?

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

What is the output of executing the following code?

```
print("h" in "hello")
```

1) True
2) False
3) h
4) Program error

Third Test

Answer the following questions:

1. What are the important characteristics of strings in Python?
2. How can you access the last character of a string using negative indexing?

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

What is the output of the following code?

```
txt="Python"
print(txt[1])
```

1) P
2) y
3) Python
4) N.

Class Evaluation

Answer the following questions:

1. Write code to check if the letter "e" is present in the word "apple".
2. What is the difference between positive and negative indices in strings?

Choose the correct answer from the following options.

What is the output of the following code?

```
print(len([1, 6, 3, 0]))
```

1) 10
2) 4
3) 1630
4) 3

Homework

Answer the following questions:

1.Write a simple program using a "for" loop to print each character of the word "Science" on a separate line.

2. What is the function that converts text to uppercase? Provide an example.

Choose the correct answer from the following options.

Which of the following is a string?

1) [1 , 2 , 3]

2)"Hello"

3) {1 , 2 , 3}

4) (1 , 2 , 3)

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