Python Beta 102

Python and Strings

AL NAFI,
A company with a focus on education,
wellbeing and renewable energy.

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Forty Hadith on the importance of Knowledge, learning and Teaching.

Hadith # 22 The value of Guidance

Sahl Ibn Sa'd (may Allah be pleased with him) said: The Prophet (Peace Be Upon Him) said to 'Ali (may Allah be pleased with him):

"By Allah! If Allah guides one man [to Islam] by you, it is better for you than the red camels."

(al-Bukhari; Muslims; see an-Nawawi, Riyad as-Salihin)

```
C++ "Hello World"

#include<iostream.h>
main()
{
cout << "Hello World";
}
return 0


JAVA "Hello World"

class HelloWorldApp
 {
  public static void main(String[] args)
    {
     System.out.println("Hello World!");
    }
 }


PYTHON

print "Hello World"
```

Python and Strings

Strings are sequences of characters, written either in single, or double quotes.

'Islam is the religion of Peace'

"Islam is the religion of Peace"

Strings Slicing and Indexing

String are written in an order sequence, which means we can index them and slice them to grab a certain sub-section.

Indexing uses [] after the string (or variable assigned the string).

Indexing allows us to grab a single character from a string….

Character vs Index

• How does a Character break down to an index

Chracter	:	l	s	l	a	m
Index	:	0	1	2	3	4

Reverse Index

Chracter	:	l	s	l	a	m
Index	:	0	1	2	3	4
Reverse Index	:	0	-4	-3	-2	-1

Slicing in Python

• Slice allows us to grab a subsection of multiple characters, just like a slice of bread or slices of bread.

The syntax is [start:stop:step]

start is a numerical index for the slice

stop is the index we will go up to (but not include)

step is the size of the "jump" we make

جزاك اللهُ

To ask questions, please logon to the portal https://alnafi.com/login/ and use your username and password. We will circle back to you in 2-3 business days inshAllah.