CPSC 231 - Lab

STRING

String

Strings are a type of objects that stores a sequence of characters

String is a sequence of character

Using indexing operator you can access a single character from a string.

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0	1	2	3	4

String is a sequence of character

How to get a substring

String is an Object

Objects have some attributes and functionality.

Methods are functions which are associated with an object

Before calling this type of functions you should mention the related object.

E.g.

method -> "Hello".upper() -> "HELLO"

You need to know how to use strings

Method	Description	Example	
capitalize()	Converts first character to Capital Letter	"hello".capitalize() -> "Hello"	
_center()	Pads string with specified character	"h".center(5) -> " h "	
count()	returns occurrences of substring in string	"hello".count("I") -> 2	
endswith()	Checks if String Ends with the Specified Suffix	"hello".endswith("o") -> True	
find()	Returns the index of first occurrence of substring	"hello".find("e") -> 1	
format()	formats string into nicer output	"hello {0}".format("Sepehr") -> "hello Sepehr"	
_isdigit()	Checks Digit Characters	"1234".isdigit() -> True	

You need to know how to use strings

Method	Description	Example	
isalpha()	Checks if All Characters are Alphabets	"hello".isalpha() -> True	
lower()	returns lowercased string	"HELLO".lower() -> "hello"	
upper()	returns uppercased string	"hello".upper() -> "HELLO"	
replace()	Replaces Substring Inside	"hello".replace("ll","oo") -> "heooo"	
split()	Splits String from Left	"hello sepehr".split(" ") -> ["hello","sepehr"]	

You can find more String methods here: programiz.com/python-programming/methods/string