# [Lab-Python] Data Types

## Slicing:

Slicing allows us to extract data with list type objects.

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| Using your newfound slicing skills **type** the following data structures into your interactive Python shell (the quotes may not translate well if cut/paste is used).   |  | | --- | | varString = "Here is a nice string to slice"  varTuple = ( "Here", "is", "a", "nice", "tuple", "to", "slice" )  varList = [ "Here", "is", "a", "nice", "list", "to", "slice" ] |   Create the following output using slicing and type the line you used into the space.   1. Use varString:    1. 'e is a nice string to slice' varString[3::]    2. 'Her' varString[0:3]    3. 'e is a ni' varString[3:12]    4. 'Hr sanc tigt lc' varString[0:29:2]    5. 'ecils ot gnirts ecin a si ereH' varString[::-1] 2. Use varList    1. ['slice', 'to', 'list', 'nice', 'a', 'is', 'Here'] varList[::-1]    2. ['a', 'is', 'Here'] varList[2::-1]    3. ['a', 'nice'] varList[2:4]    4. ['Here', 'nice', 'slice'] varList[0::3]    5. ['is', 'a', 'nice', 'list', 'to', 'slice'] varList[1::] |