Python code sample

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| Python for Loop Code :  # Program to find the sum of all numbers stored in a list  # List of numbers  numbers = [6, 5, 5]  # variable to store the sum  sum = 0  # iterate over the list  for val in numbers:  sum += val  print("The sum is", sum) |
| Output :  The sum is 16  > |

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| **The range() function**  We can generate a sequence of numbers using range() function. range(10) will generate numbers from 0 to 9 (10 numbers).  We can also define the start, stop and step size as range(start, stop,step\_size). step\_size defaults to 1 if not provided.  Code :  print(range(10))  print(list(range(10)))  print(list(range(2, 8)))  print(list(range(2, 20, 3))) |
| Output :  range(0, 10)  [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]  [2, 3, 4, 5, 6, 7]  [2, 5, 8, 11, 14, 17]  > |

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| Code :  # Program to iterate through a list using indexing  m\_list = ['Aslam', 'Salam', 'Salim']  # iterate over the list using index  for i in range(len(m\_list)):  print("I like", m\_list[i]) |
| Output :  I like Aslam  I like Salam  I like Salim  > |