

Join Strings

```
1  str1 = 'ABC'
2  str2 = '123'

1  def join_str1():
2      output = []
3      i = 0
4
5      for a in str1:
6          output.append(a)
7          while 1 < len(str2):
8              output.append(str2[i])
9              i += 1
10             break
11
12     str_output = ''.join(output)
13     print(f'Output 1: {str_output}')
14
15 join_str1()
```

 Output: A1B2C3

```
1  def join_str2():
2      output2 = ''
3
4      for i in range(len(str1)):
5          output2 += str1[i] + str2[i]
6      output2.strip()
7
8      print(f'Output 2: {output2}')
9
10 join_str2()
```

Output 2: A1B2C3

```
1  def join_str3():
2      output3 = ''
3
4      for (a, b) in zip(str1, str2):
5          output3 += a + b
6
7      print(f'Output 3: {output3}')
8
9  join_str3()
```

Output 3: A1B2C3