

```
numbers = [1, 2, 3, 4, 5]
squared = []
for num in numbers:
    squared.append(_____)
print(squared)

> [1, 4, 9, 16, 25]
```

1. Fill in the blank so that the program outputs the squared results of the list items.

```
numbers = [2, 5, 8, 10]
total_sum = 0
for num in numbers:
    total_sum += _____
print(f"The sum of the list is: {total_sum}")

> The sum of the list is: 25
```

2. Fill in the blank so that the program outputs the result of all the list items.

```
numbers = [15, 7, 22, 3]

largest = _____
for num in numbers:

    if num ___ largest:
        largest = num
print(f"The largest number is: {largest}")

> The largest number is: 22
```

3. Fill in the blanks so that the program correctly outputs the largest value.

```
numbers = [15, 7, 22, 3, 1, 2, 4, 5, ]
even_numbers = []

for num in range(0, _____):
    if numbers[num] % 2 == 0:

        even_numbers.append(_____)

print(f"The even numbers in the list are
{even_numbers}")

> The even numbers in the list are [22, 2, 4]
```

4. Fill in the blanks so that the program correctly outputs the even numbers.

```
text = "Hello Again Codefez!"
vowel_count = 0
vowels = "aeiou"
for letter in text:

    if _____ in vowels:
        vowel_count += 1

print(f"The number of vowels: {_____}")

> The number of vowels: 8
```

5. Fill in the blanks so that the number of vowels are correctly counted.