

File Edit Shell Debug Options Window Help

```
Python 3.13.7 (tags/v3.13.7:fbce6c3, Aug 14 2025, 14:15:11) [MSC v.1944 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.
>>> DEBUG ON
>>> RESTART: C:\Users\mathth\Downloads\lesson_7_assignment.py
>>> RESTART: C:\Users\mathth\Downloads\lesson_7_assignment_fixed.py
The product of the numbers is: 1
The product of the numbers is: 2
The product of the numbers is: 6
The product of the numbers is: 24
The product of the numbers is: 120
The product of the numbers is: 720
The last number multiplied was: 6
Completed by, Matthew Valader
>>> DEBUG ON
>>>
```

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```
def calculate_product(number, product):
    product *= number
    return product

def main():
    try:
        numbers = [1, 2, 3, 4, 5, 6]
        product = 1
        for number in numbers:
            product = calculate_product(number, product)
            print(f"The product of the numbers is: {product}")

        last_index = len(numbers) - 1
        print(f"The last number multiplied was: {numbers[last_index]}")
    except IndexError as e:
        print(f"Run-time error: ({e})")

if __name__ == '__main__':
    main()
    print('Completed by, Matthew Valader')
```

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```
bdb:runQ, line 666: exec(cmd, globals, locals)
main...<module>(), line 20: print('Completed by, Matthew Valader')
main...<module>(), line 47: s = str(encoding).encode(self.encoding)
main...<module>(), line 49: return self.encoding
main...<module>(), line 50: self.encoding = 0018DC9C2E8BD0,
```

Debug Control

Stack Source Locals Globals

Locals

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The product of the numbers is: 2
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```
def calculate_product(number, product):
    product *= number
    return product

def main():
    try:
        numbers = [1, 2, 3, 4, 5, 6]
        product = 1
        for number in numbers:
            product = calculate_product(number, product)
            print(f"The product of the numbers is: {product}")

        last_index = len(numbers) - 1
        print(f"The last number multiplied was: {numbers[last_index]}")
    except IndexError as e:
        print(f"Run-time error: ({e})")

if __name__ == '__main__':
    main()
    print('Completed by, Matthew Valader')
```

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```
bdb:runQ, line 666: exec(cmd, globals, locals)
main...<module>(), line 19: main()
main...<module>(), line 11: print("The product of the numbers is: {product}")
main...<module>(), line 47: s = str(encoding).encode(self.encoding)
main...<module>(), line 49: return self.encoding
main...<module>(), line 50: self.encoding = 0018DC9C2E8BD0,
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