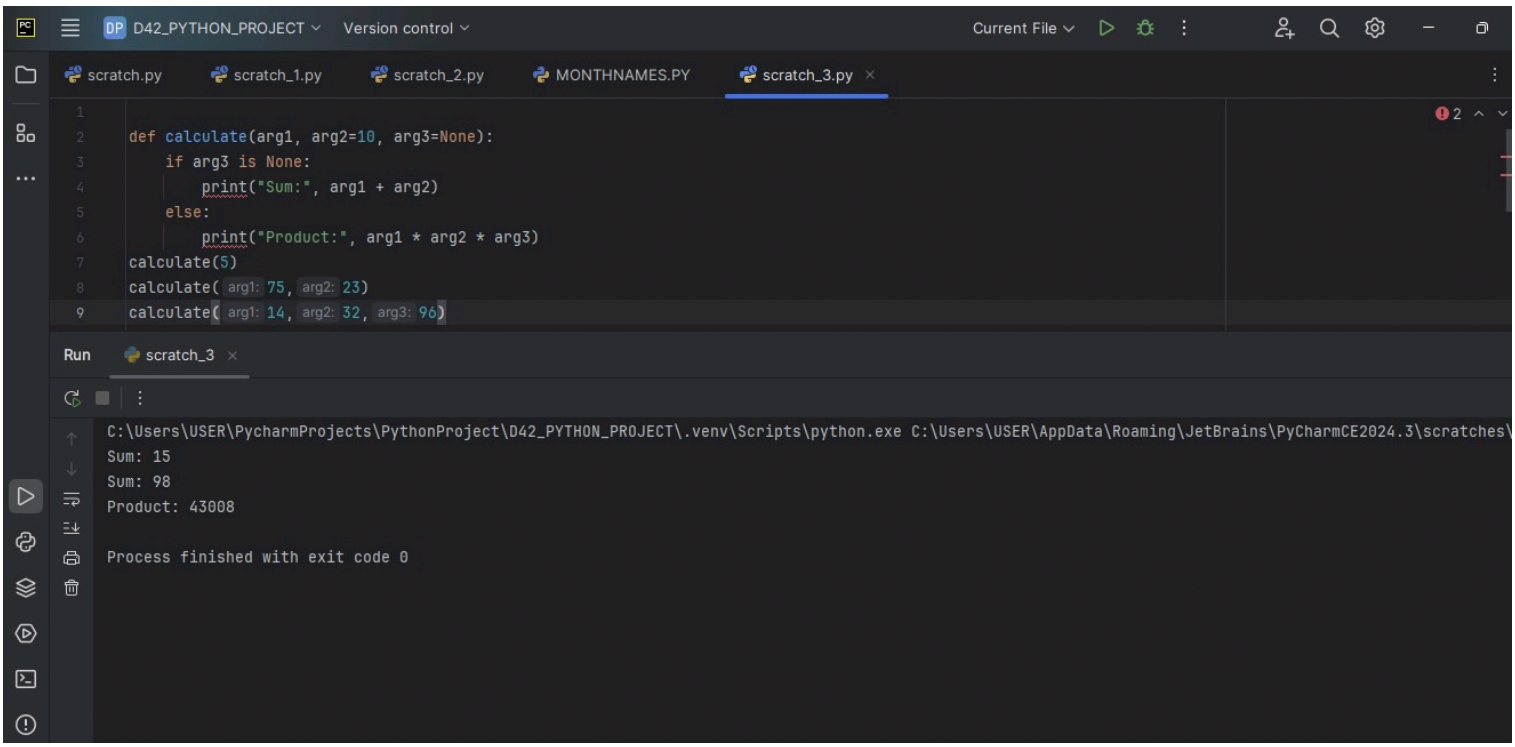
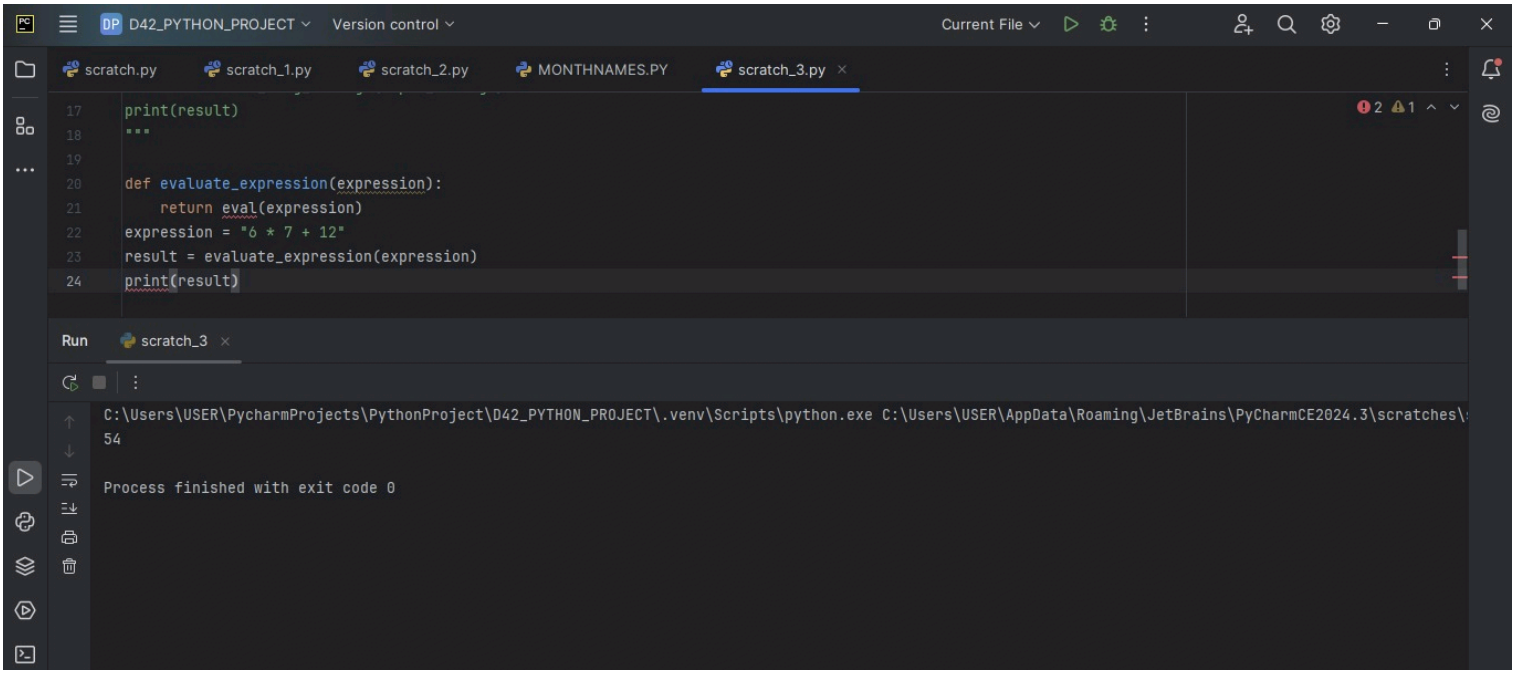
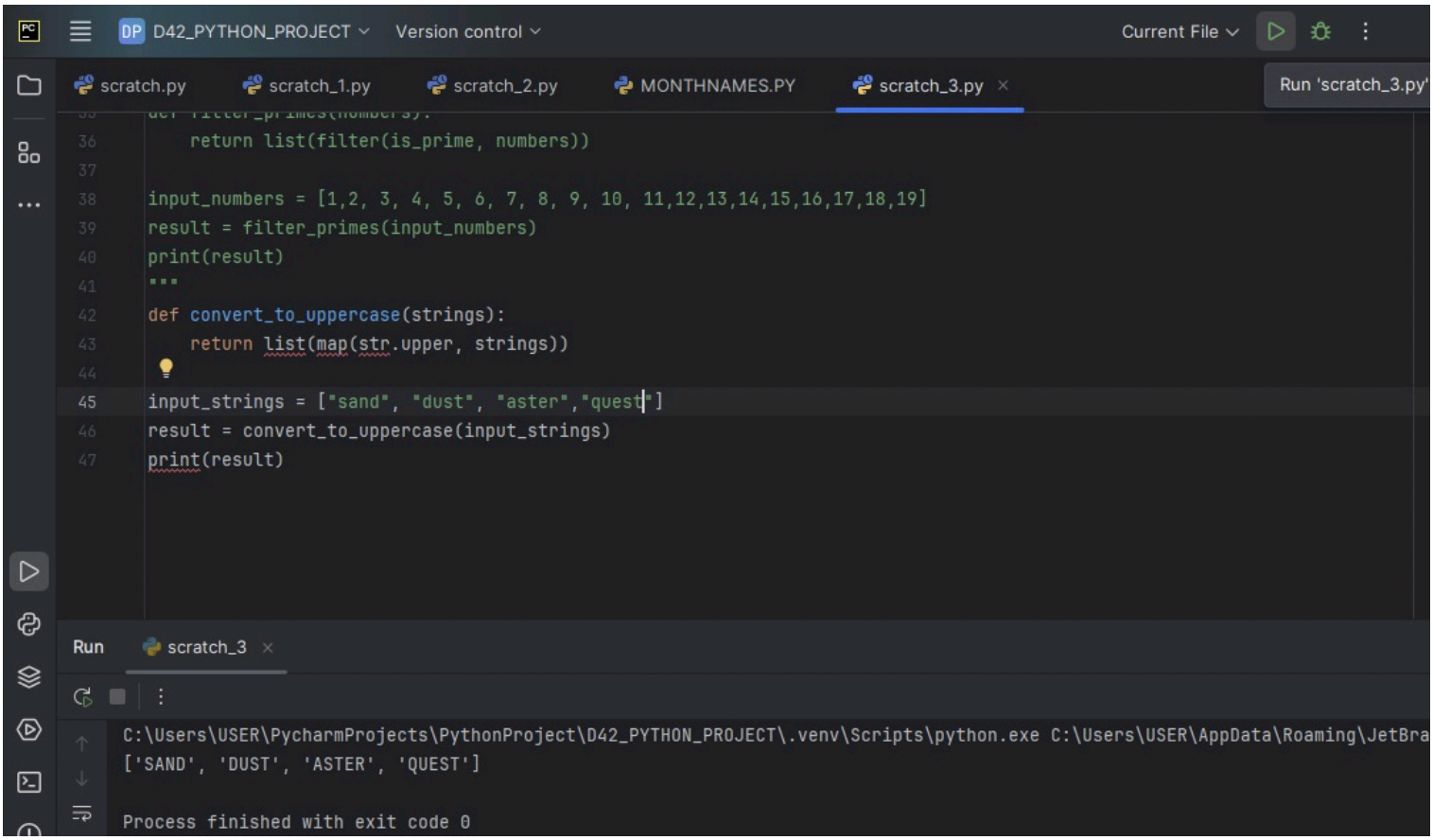
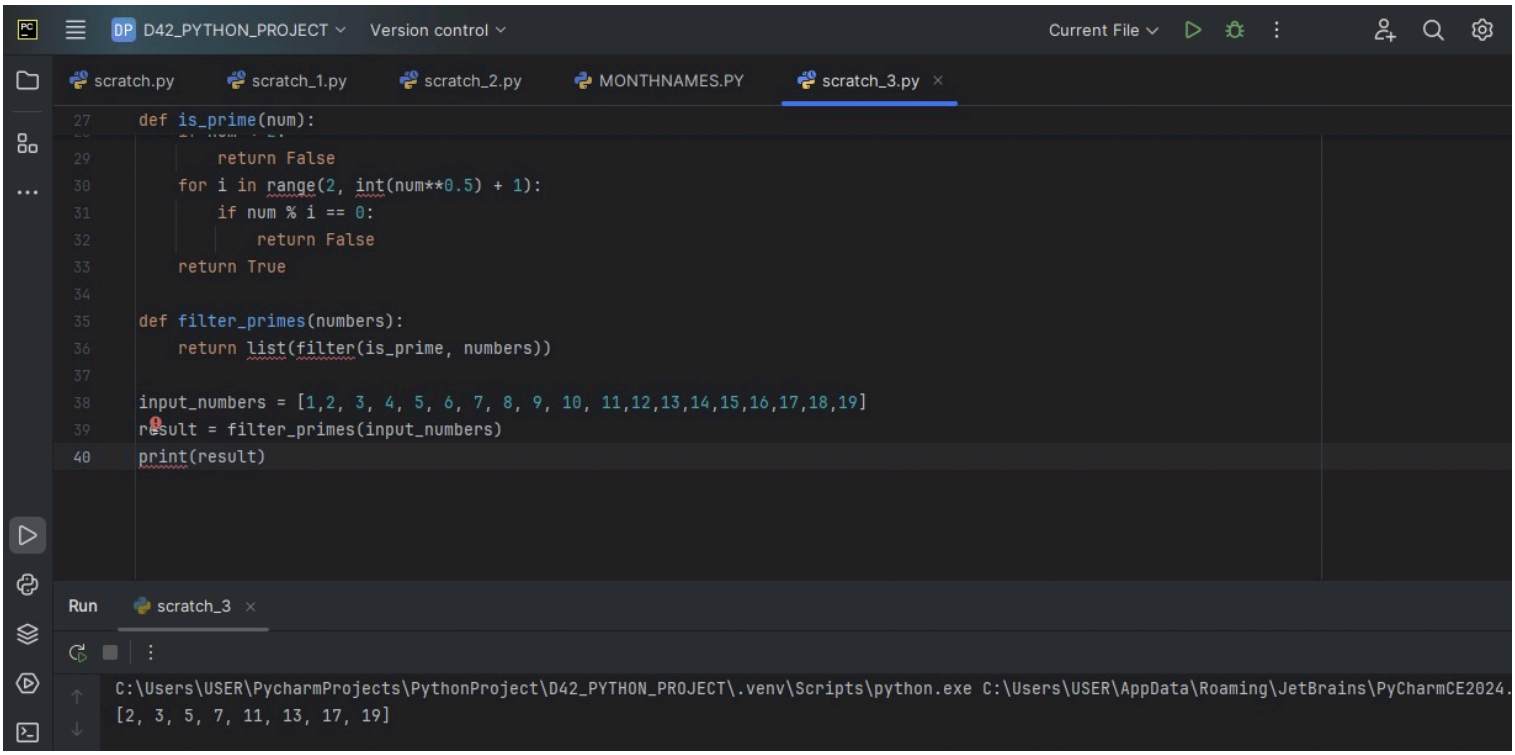
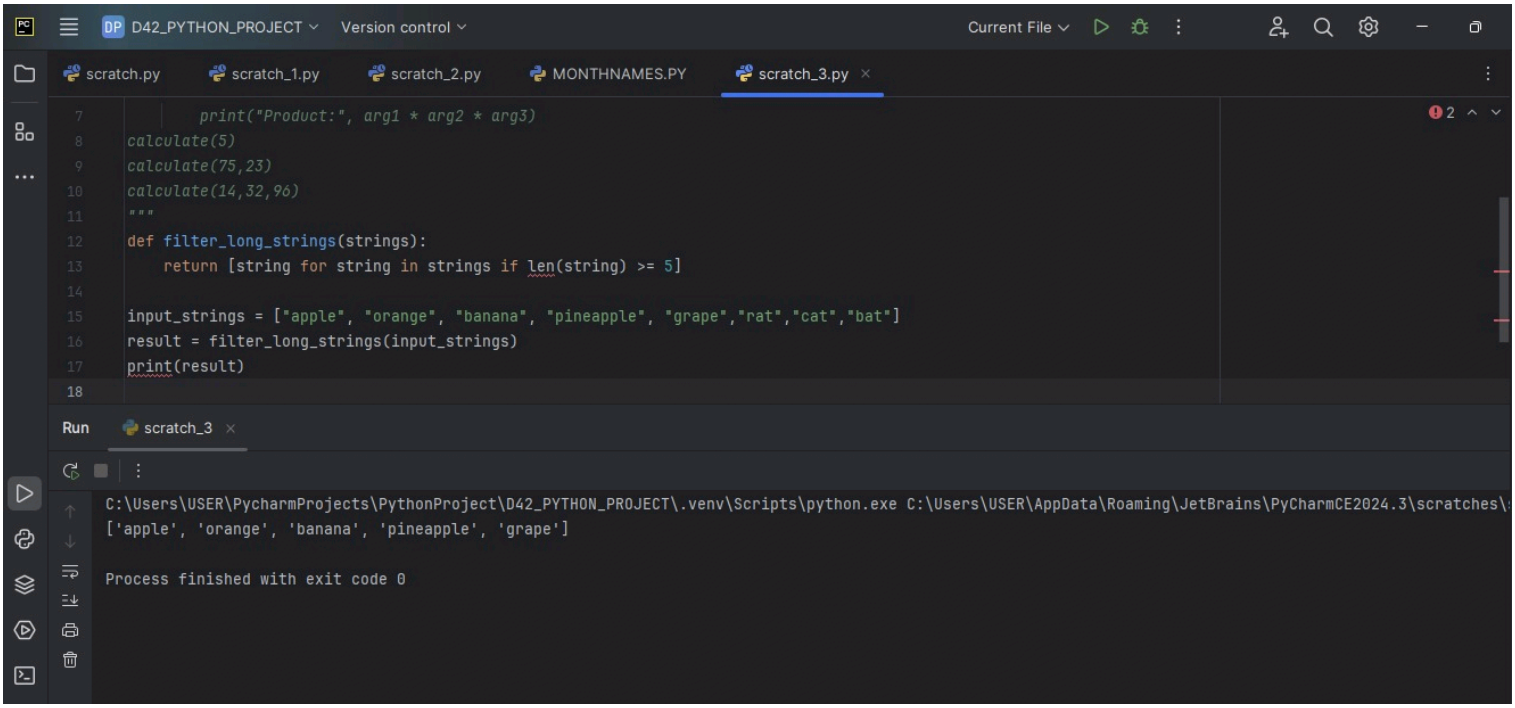

D42_PYTHON_PROJECT
Version control
Current File
scratch.py
scratch_1.py
scratch_2.py
MONTHNAMES.PY
scratch_3.py
def calculate(arg1, arg2=10, arg3=None):
if arg3 is None:
print("Sum:", arg1 + arg2)
else:
print("Product:", arg1 * arg2 * arg3)
calculate(5)
calculate(arg1: 75, arg2: 23)
calculate(arg1: 14, arg2: 32, arg3: 96)
Run
scratch_3
C:\Users\USER\PycharmProjects\PythonProject\D42_PYTHON_PROJECT\.venv\Scripts\python.exe C:\Users\USER\AppData\Roaming\JetBrains\PyCharmCE2024.3\scratches\
Sum: 15
Sum: 98
Product: 43008
Process finished with exit code 0


D42_PYTHON_PROJECT
Version control
Current File
scratch.py
scratch_1.py
scratch_2.py
MONTHNAMES.PY
scratch_3.py
print(result)
"""
def evaluate_expression(expression):
return eval(expression)
expression = "6 * 7 + 12"
result = evaluate_expression(expression)
print(result)
2 1
Run
scratch_3
C:\Users\USER\PycharmProjects\PythonProject\D42_PYTHON_PROJECT\.venv\Scripts\python.exe C:\Users\USER\AppData\Roaming\JetBrains\PyCharmCE2024.3\scratches\
54
Process finished with exit code 0


D42_PYTHON_PROJECT
Version control
Current File
scratch.py
scratch_1.py
scratch_2.py
MONTHNAMES.PY
scratch_3.py
Run 'scratch_3.py'
return list(filter(is_prime, numbers))
input_numbers = [1,2, 3, 4, 5, 6, 7, 8, 9, 10, 11,12,13,14,15,16,17,18,19]
result = filter_primes(input_numbers)
print(result)
"""
def convert_to_uppercase(strings):
return list(map(str.upper, strings))
input_strings = ["sand", "dust", "aster","quest"]
result = convert_to_uppercase(input_strings)
print(result)
Run
scratch_3
C:\Users\USER\PycharmProjects\PythonProject\D42_PYTHON_PROJECT\.venv\Scripts\python.exe C:\Users\USER\AppData\Roaming\JetBra
['SAND', 'DUST', 'ASTER', 'QUEST']
Process finished with exit code 0


D42_PYTHON_PROJECT
Version control
Current File
scratch.py
scratch_1.py
scratch_2.py
MONTHNAMES.PY
scratch_3.py
27 def is_prime(num):
29 return False
30 for i in range(2, int(num**0.5) + 1):
31 if num % i == 0:
32 return False
33 return True
35 def filter_primes(numbers):
36 return list(filter(is_prime, numbers))
38 input_numbers = [1,2, 3, 4, 5, 6, 7, 8, 9, 10, 11,12,13,14,15,16,17,18,19]
39 result = filter_primes(input_numbers)
40 print(result)
Run
scratch_3
C:\Users\USER\PycharmProjects\PythonProject\D42_PYTHON_PROJECT\.venv\Scripts\python.exe C:\Users\USER\AppData\Roaming\JetBrains\PyCharmCE2024.
[2, 3, 5, 7, 11, 13, 17, 19]


D42_PYTHON_PROJECT
Version control
Current File
scratch.py
scratch_1.py
scratch_2.py
MONTHNAMES.PY
scratch_3.py
print("Product:", arg1 * arg2 * arg3)
calculate(5)
calculate(75,23)
calculate(14,32,96)
"""
def filter_long_strings(strings):
return [string for string in strings if len(string) >= 5]
input_strings = ["apple", "orange", "banana", "pineapple", "grape","rat","cat","bat"]
result = filter_long_strings(input_strings)
print(result)
Run
scratch_3
C:\Users\USER\PycharmProjects\PythonProject\D42_PYTHON_PROJECT\.venv\Scripts\python.exe C:\Users\USER\AppData\Roaming\JetBrains\PyCharmCE2024.3\scratches\
['apple', 'orange', 'banana', 'pineapple', 'grape']
Process finished with exit code 0