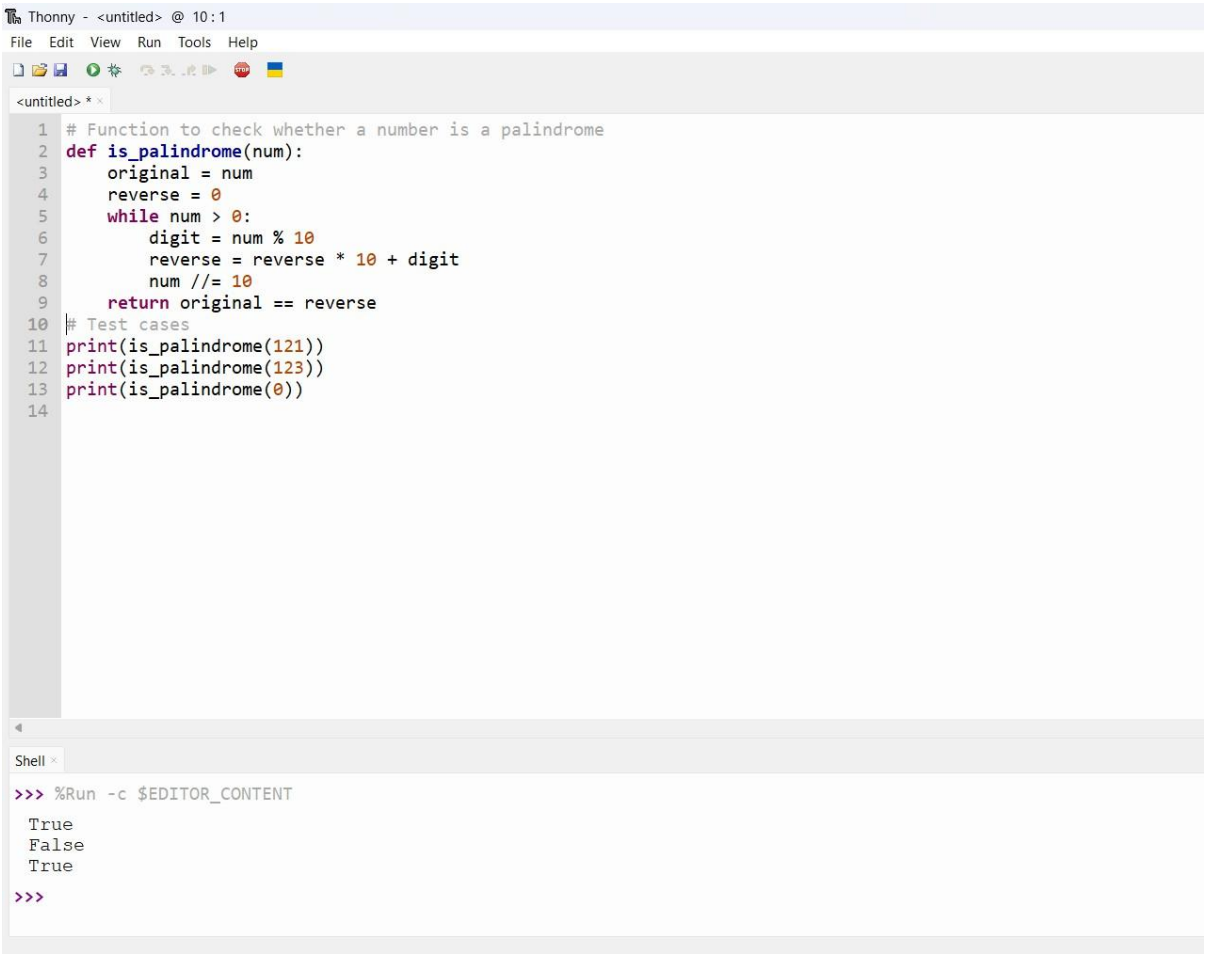
ASSIGNMENT-3

NAME:- P LAHARI

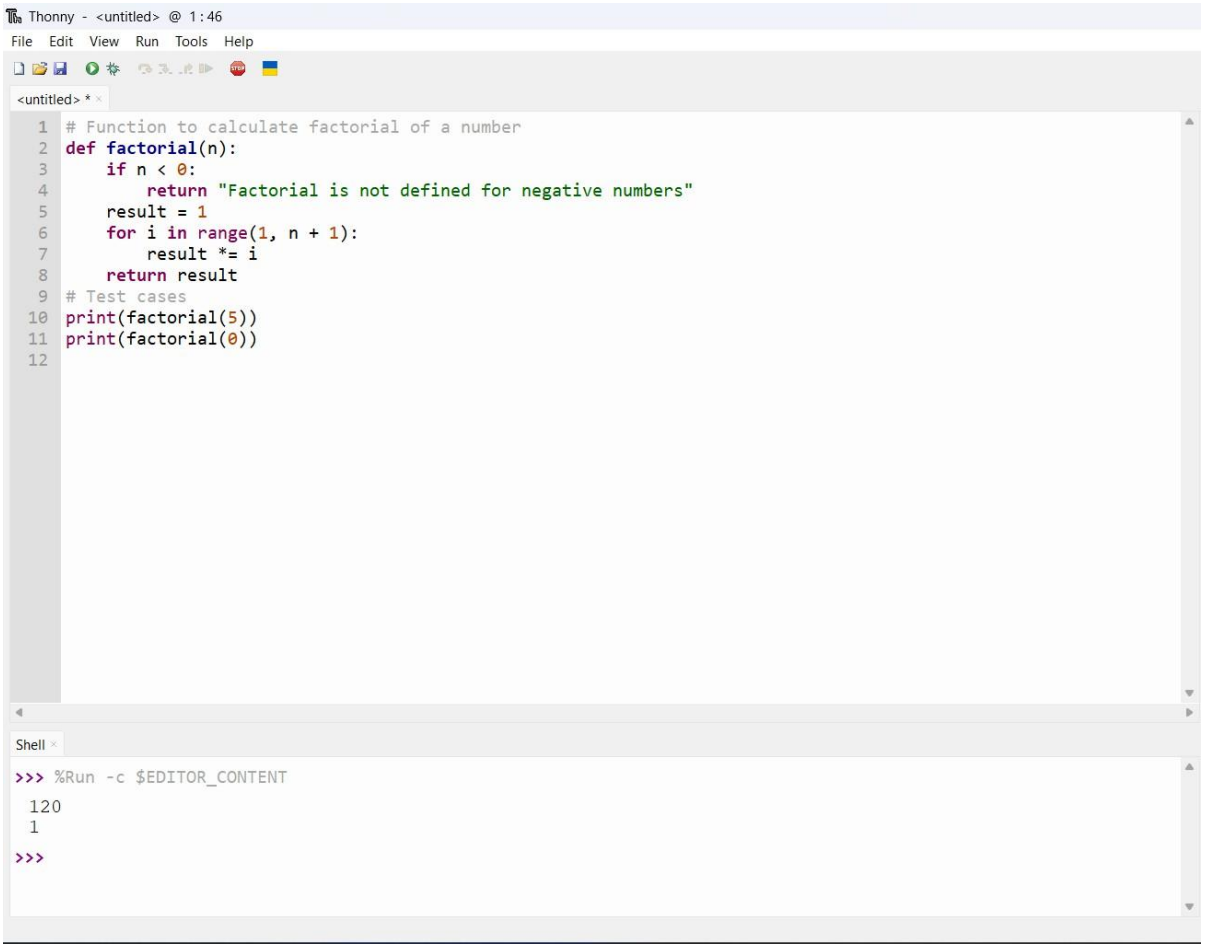
BATCH-16

HTNO:-2303A51071

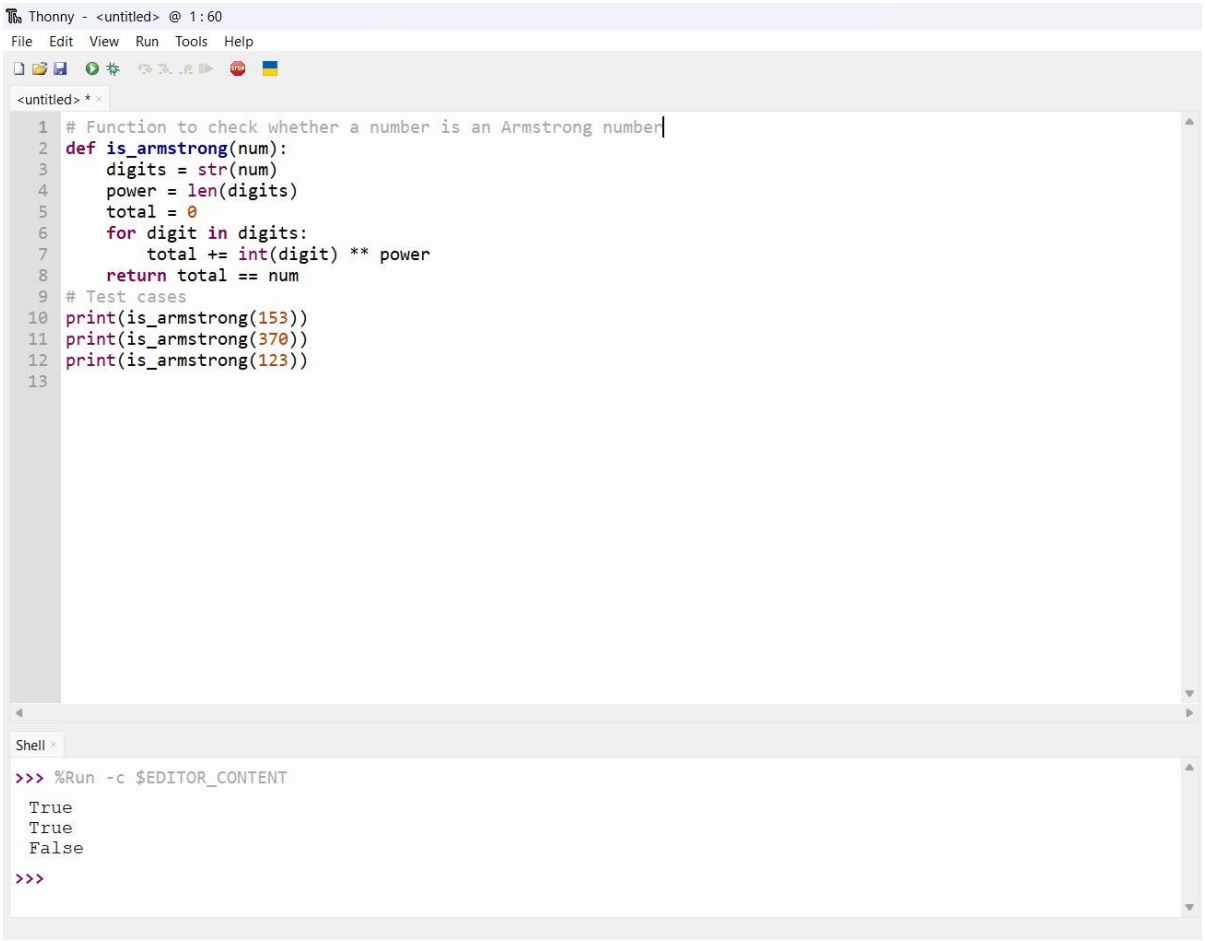
Zero-Shot Prompting – Palindrome Number Program:-



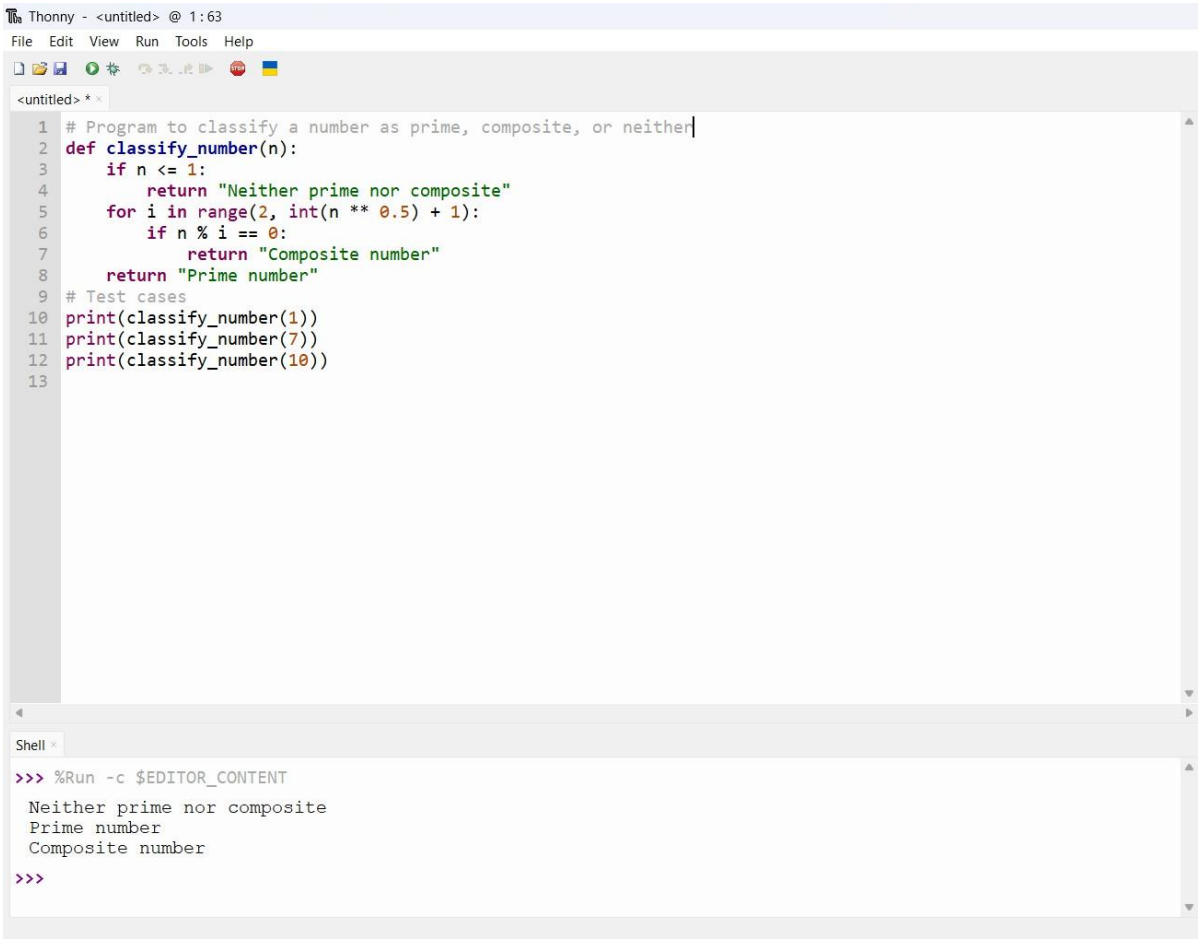
One-Shot Prompting – Factorial Calculation:-



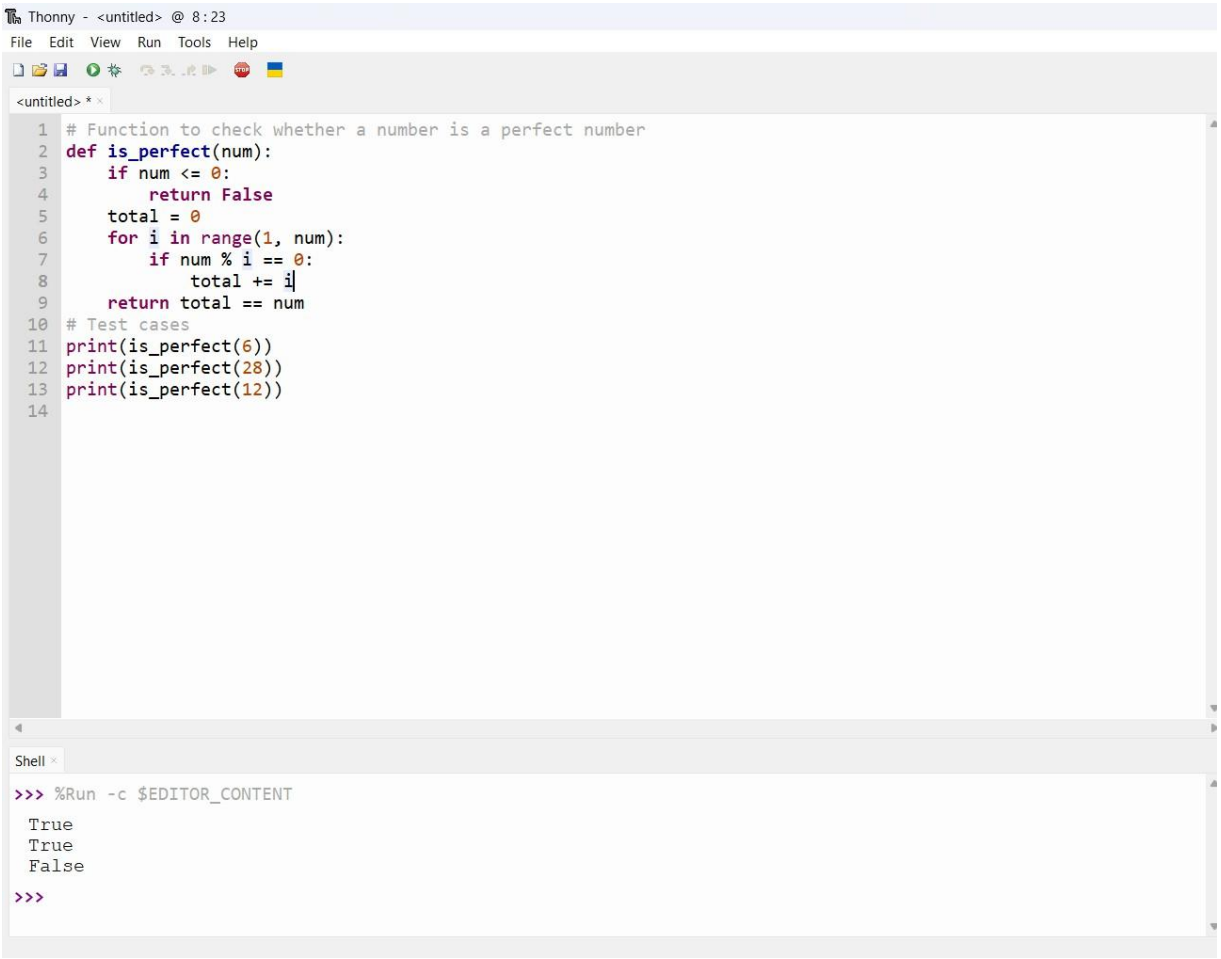
Few-Shot Prompting – Armstrong Number Check:-



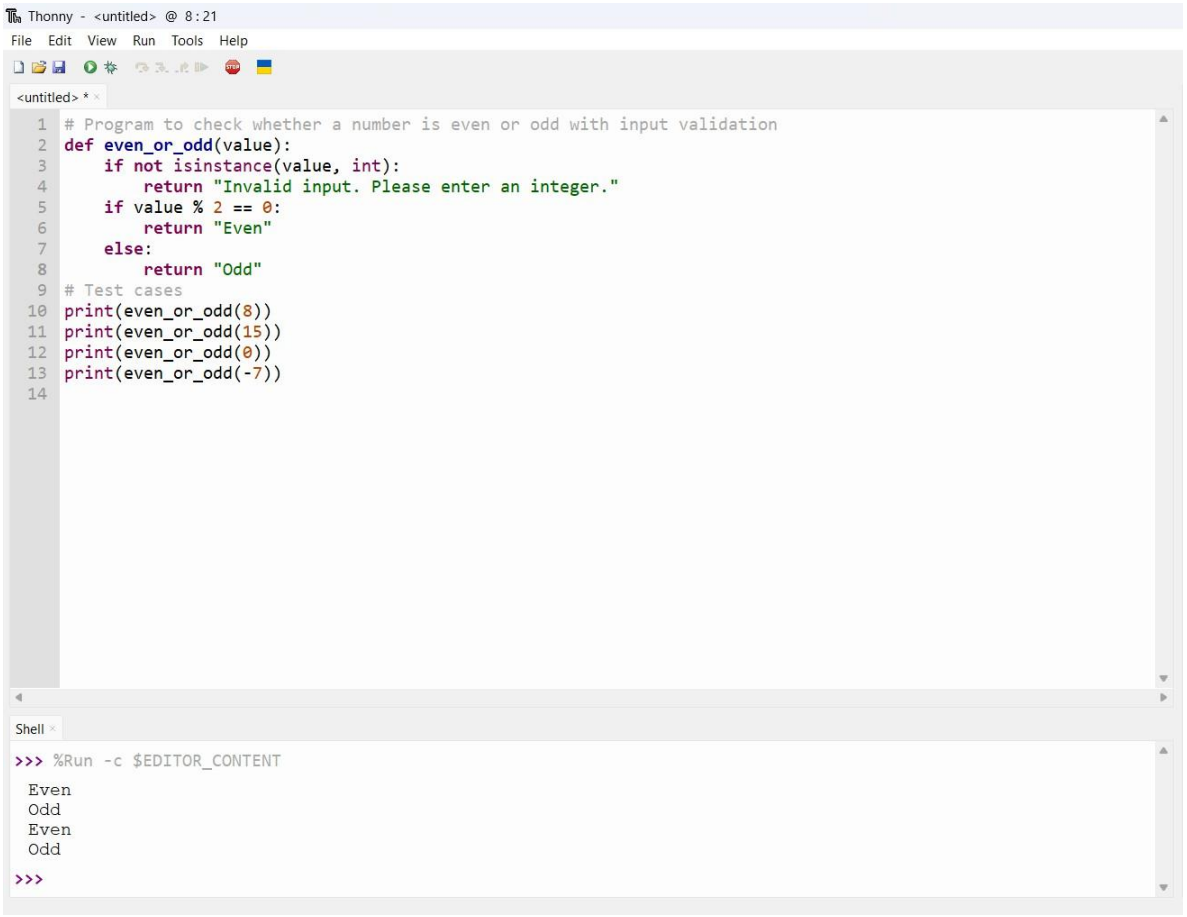
Question 4 (Optional): Context-Managed Prompting – Number Classification:-



Question 5: Zero-Shot Prompting – Perfect Number Check:-



Few-Shot Prompting – Even or Odd with Validation:-


Thonny - <untitled> @ 8 : 21
File Edit View Run Tools Help
<untitled> *
# Program to check whether a number is even or odd with input validation
def even_or_odd(value):
if not isinstance(value, int):
return "Invalid input. Please enter an integer."
if value % 2 == 0:
return "Even"
else:
return "Odd"
# Test cases
print(even_or_odd(8))
print(even_or_odd(15))
print(even_or_odd(0))
print(even_or_odd(-7))
Shell
>>> %Run -c $EDITOR_CONTENT
Even
Odd
Even
Odd
>>>