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1. Use meaningful names for variables, functions, and classes:
# Bad example
x = 10
y = 20
def func(a, b):
  return a + b
# Good example
width = 10
height = 20
def calculate_area(length, width):
  return length * width
2. Write small and focused functions:
# Bad example
def process data(data):
  # long and complicated function that does multiple things
# Good example
def clean_data(data):
  # function that cleans the data
def analyze_data(data):
  # function that analyzes the data
def plot_data(data):
  # function that plots the data
_____
3. Use comments sparingly and only when necessary:
# Bad example
# Loop through the list and print each element
for i in range(len(my list)):
  print(my_list[i])
# Good example
for element in my_list:
  print(element)
4. Follow the PEP 8 style guide:
# Bad example
def myFunction (argument1, argument2):
  result=argument1+argument2
  return result
# Good example
def my_function(argument1, argument2):
  result = argument1 + argument2
  return result
```

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5. Use docstrings to document functions and classes:
def calculate_area(length, width):
  """Calculate the area of a rectangle.
  Args:
     length (float): The length of the rectangle.
     width (float): The width of the rectangle.
  Returns:
     float: The area of the rectangle.
  return length * width
6. Write tests for your code:
import unittest
class TestCalculation(unittest.TestCase):
  def test_area_calculation(self):
     self.assertEqual(calculate_area(10, 20), 200)
if __name__ == '__main__':
  unittest.main()
7. Use exceptions to handle errors:
# Bad example
result = 0
if b != 0:
  result = a / b
# Good example
try:
  result = a / b
except ZeroDivisionError:
  result = None
8. Use constants or configuration files instead of hardcoding values:
# Bad example
def calculate_price(quantity):
  price_per_item = 5.0
  return quantity * price_per_item
# Good example
PRICE_PER_ITEM = 5.0
def calculate_price(quantity):
  return quantity * PRICE_PER_ITEM
```

9. Write simple and readable code: