ASSIGNMENT 9.2

2403A52049

BATCH-3

TASK-1:

```
100103010
                                               modified script lines = []
                                                   script_lines = script_content.splitlines()
 ≅ my_flie.txt
 O prdered.html
                                                   for i, line in enumerate(script_lines):
    modified_script_lines.append(line)
                                                           # Check if this line is the start of a function definition
                                                          is_function_start = False
                                                           func_name_st_line = None
                                                         for func_info in extractor.functions:
    if func_info['linenc'] - 1 == i:
        is_function_start = True
  qq1.py
  quilpy
                                                                        func_name_at_line = func_info['name']
 🏓 quЭ.ру
  · quality
                                                       if is_function_start and func_name_at_line in generated docstrings:
 🔮 диб.ру
                                                           if as function start and functionare at line in generated docstrings:

docstring info = generated docstrings[functionare at line]

if docstring info and docstring info['docstring']:

docstring lines = docstring info['docstring'].strip().splitlines()

# Octorrine indentation from the function definition line
indentation = line; len(line) - len(line.lstrip())]

modified_script_lines.eppend(f'(indentation)'''')

for doc_line in docstring lines:

modified_script_lines.expend(f)(indentation)'''')
  = sample.txt
 O tabel.html
                                                                      modified_script_lines.append(f'(indentation)(doc_line)')
modified_script_lines.append(f'(indentation)'''')
OUTLINE
V TIMELINE ql.py
                                         PROBLEMS 🕢 OUTPUT DEBUS CONSOLE TERMINAL PORTS
O File Saved

    powershell

                                         PS C:\Users\Devi\html> def add_numbers(a, b):
                                                                                                                                                                                                                                骨 Python Deb...
                                         >> def subtract numbers(a, b):
```

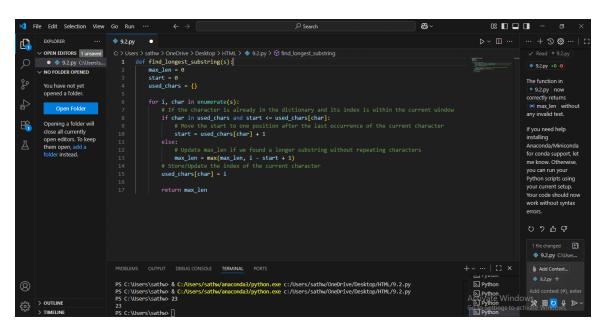
```
HTML
                                    # Check if this line is the start of a function definition
                                    is_function_start = False
                                     func_name_at_line = None
 ordered.html
                                     for func_info in extractor.functions:
                                        if func_info['lineno'] - 1 == i:
    is_function_start = True
    func_name_at_line = func_info['name']
pallindrome.py
🕏 qq1.py
                                    if is_function_start and func_name_at_line in generated docstrings:
                                        qu4.py
qu5.py

≡ sample.txt

                                             for doc_line in docstring_lines:
                                                  modified_script_lines.append(f'{indentation}{doc_line}')
                              modified_script_lines.append(f'{indentation)"""
modified_script_content = "\n".join(modified_script_lines)
print(modified_script_content)
                          26
tabel.html
OUTLINE
✓ TIMELINE q1.py
                         PROBLEMS (1) OUTPUT DEBUG CONSOLE TERMINAL PORTS
O File Saved
                                                                                                                                               ≥ powershell
O File Saved
                         PS C:\Users\Devi\html> def add_numbers(a, b):
                                                                                                                                              爱 Python Deb...
O File Created 10 mins
                         >>> def subtract_numbers(a, b):
>>    return a - b
```

TAS

K-2:



TASK-3:

```
D . III ...
                            o qipy 4
                                              · Q2.py
                                                                  data.
                                                                                                  X • qSpy
                                                                                     · q4py
                                                                                                                           qtipy
HTML
                              1 import re
                                    def convert_inline_comments_to_docstrings_reduced(script_content: str) -> str:
 ordered.html
 pallindrome.py
                                         Transforms inline comments into structured Google-style docstrings.
                                         This version is a streamlined implementation that identifies and converts inline comments immediately following a function definition into a single,
 q1.py
 😻 фъру
                                         str: The modified script with new docstrings.
 · qq1.py
 🗣 qu1.py
                                        lines = script_content.splitlines()
 · qu2.py
                                         modified_lines = []
qu3.py
🗣 qu4.py
                                         while i < len(lines):
                                              line = lines[i]
 o quut.py
                                              func_match = re.match(r'(\s*)def\s+', line)
OUTLINE
                                              modified_lines.append(line)
 TIMELINE 94-PV
                             PROBLEMS (8) COLEVE DEBUG CONSULT THIMINAL POXES
O File Saved 6 mins
                                                                                                                                                              D powershell
O File Created 8 mins
                            Main Functions/Classes:

    Python Deb..

                             - [Function/Class Name]: [Brief description of its purpose].
                                                                                   ф q4ду X ф q5ду
HTML
                                   def convert inline comments to docstrings reduced(script content: str) -> str:
                                             line = lines[i]
func_match = re.match(r'(\s*)def\s*', line)
                                             modified_lines.append(line)

    pallindrome.py

                                             if func_match:
para.html
                                                 indentation = func match.group(1)
                                                 comments = []
· qt.py
Q2 py
                                                  while j < len(lines) and lines[j].strip().startswith('#'):
    comments.append(lines[j].strip('#').strip())</pre>
dzbh
• фіру
                                                      # Use a single string join for the body of the dosstring
docstring_body = "\n".join(f"(indentation) {e}" for c in comments)
docstring = f'""\n(docstring_body)\n(indentation) """
modified_lines.append(f"(indentation) {docstring}")
quipy
                                                       i = j # Skip the processed comment lines
continue
🗣 дивру
· qu4py
🗣 quut.py
                                        return "\n".join(modified_lines)
TIMELINE Q4.py
                            PROBLEMS (a) OUTPUT DEBUG CONSOLE TERMINAL PORTS
O file Saved 6 mins
O file Saved 7 mins

    powershell
```

褒 Python Deb...

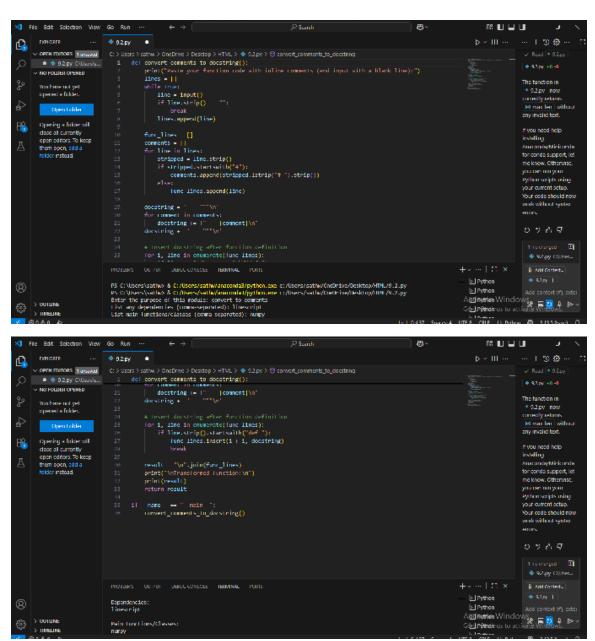
OUTPUT:

Nain Functions/Classes:

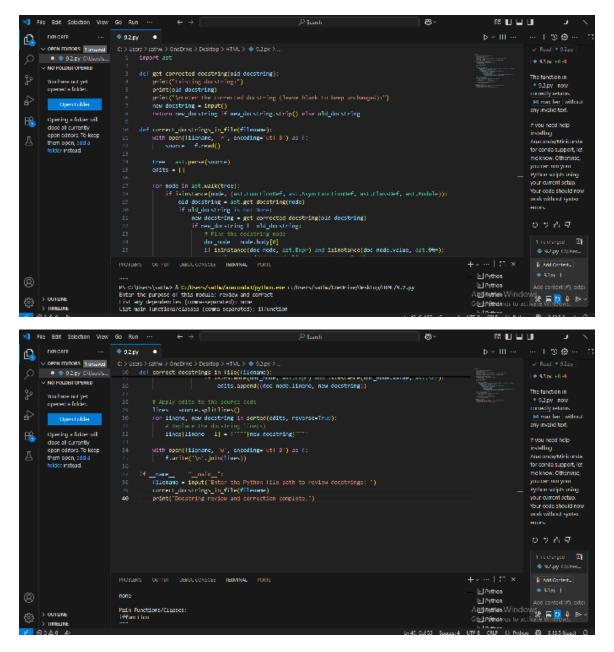
- [Function/Class Name]: [Brief description of its purpose].

```
def calculate_area(length, width):
    """
    # This function calculates the area of a rectangle.
    # Args:
    # length (float): The length of the rectangle.
    # width (float): The width of the rectangle.
    # Returns:
    # float: The calculated area.
    """
    return length * width
PS C:\Users\Devi\html> []
```

TASK-4:



TASK-5:



TASK-6:

```
Fig. Set. Section New 60 Run — + + Pseudo 60 Run — + + Pseudo 60 Run — + + Pseudo 60 Run — 100 R
```

OUTPUT:

a (int or float): The first number to add.

b (int or float): The second number to add.

Returns:

int or float: The sum of `a` and `b`.

Example:

```
>>> add_numbers(2, 3)
```

5

>>> add_numbers(2.5, 3.1)

5.6