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1. String

The image displays two screenshots of a Visual Studio Code editor window, showing a Python script named `Risma2.py` and its execution output in the terminal.

Top Screenshot: The editor shows the following code in `Risma2.py`:

```
python > Risma2.py > ...
1 name = "Rismayanti"
2 print(name)
3
4 name = "Rismayanti"
5 print(name)
6
7 name = "Rismayanti"
8 print(name[0])
9
10 name = "Rismayanti"
11 print(name[5])
12
13 name = "Rismayanti"
14 print(name[-3])
15
16 name = "Rismayanti"
17 print(name[5:])
18
```

The terminal output shows the execution of the script:

```
PS C:\Users\LENOVO\Desktop> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python39/python.exe c:/Users/LENOVO/Desktop/python/Risma2.py
'Rismayanti'
'Rismayanti'
R
y
n
yanti
Rismayanti
Risma
PS C:\Users\LENOVO\Desktop>
```

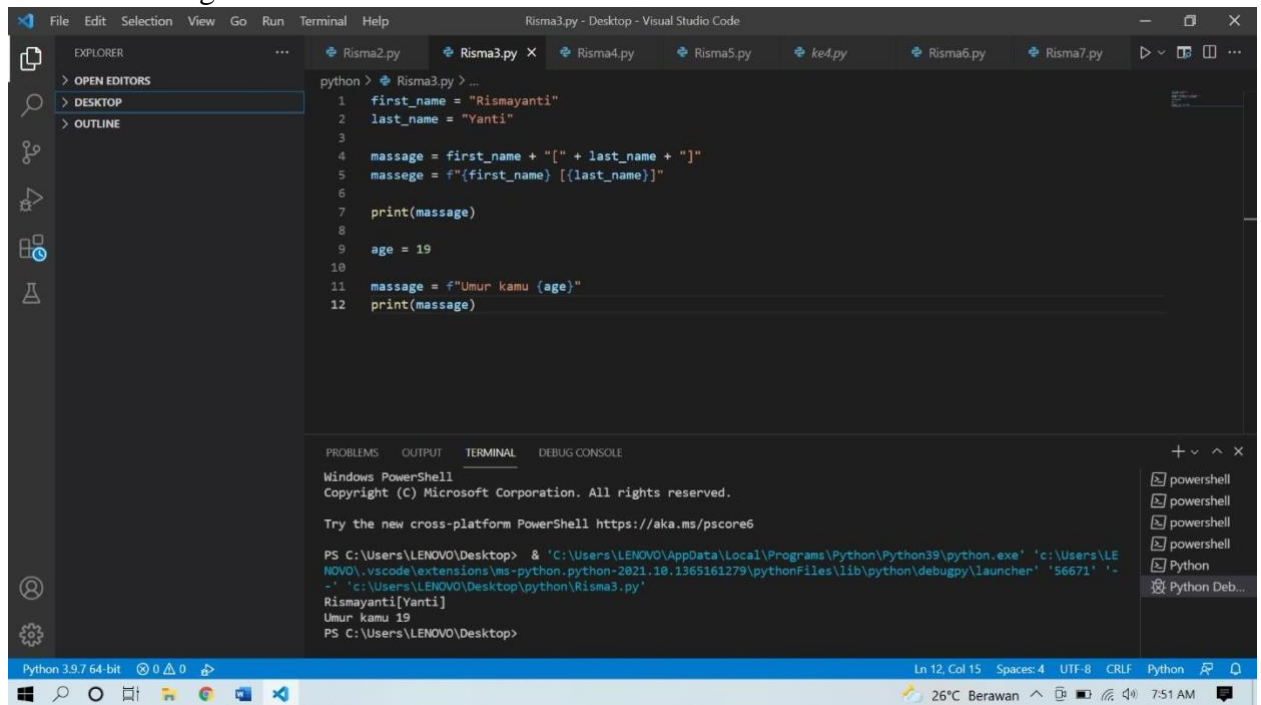
Bottom Screenshot: The editor shows the following code in `Risma2.py`:

```
python > Risma2.py > ...
7 name = "Rismayanti"
8 print(name[0])
9
10 name = "Rismayanti"
11 print(name[5])
12
13 name = "Rismayanti"
14 print(name[-3])
15
16 name = "Rismayanti"
17 print(name[5:])
18
19 name = "Rismayanti"
20 print(name[:])
21
22 name = "Rismayanti"
23 print(name[:5])
```

The terminal output shows the execution of the script:

```
PS C:\Users\LENOVO\Desktop> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python39/python.exe c:/Users/LENOVO/Desktop/python/Risma2.py
'Rismayanti'
'Rismayanti'
R
y
n
yanti
Rismayanti
Risma
PS C:\Users\LENOVO\Desktop>
```

2. Formatted String



The screenshot shows the Visual Studio Code interface with a Python file named `Risma3.py` open. The code defines variables for a first name, last name, and age, and uses string formatting to create a message. The terminal shows the output of the script, which prints the message and the age.

```
python > Risma3.py > ...
1 first_name = "Rismayanti"
2 last_name = "Yanti"
3
4 message = first_name + "[" + last_name + "]"
5 message = f"{first_name} [{last_name}]"
6
7 print(message)
8
9 age = 19
10
11 message = f"Umur kamu {age}"
12 print(message)
```

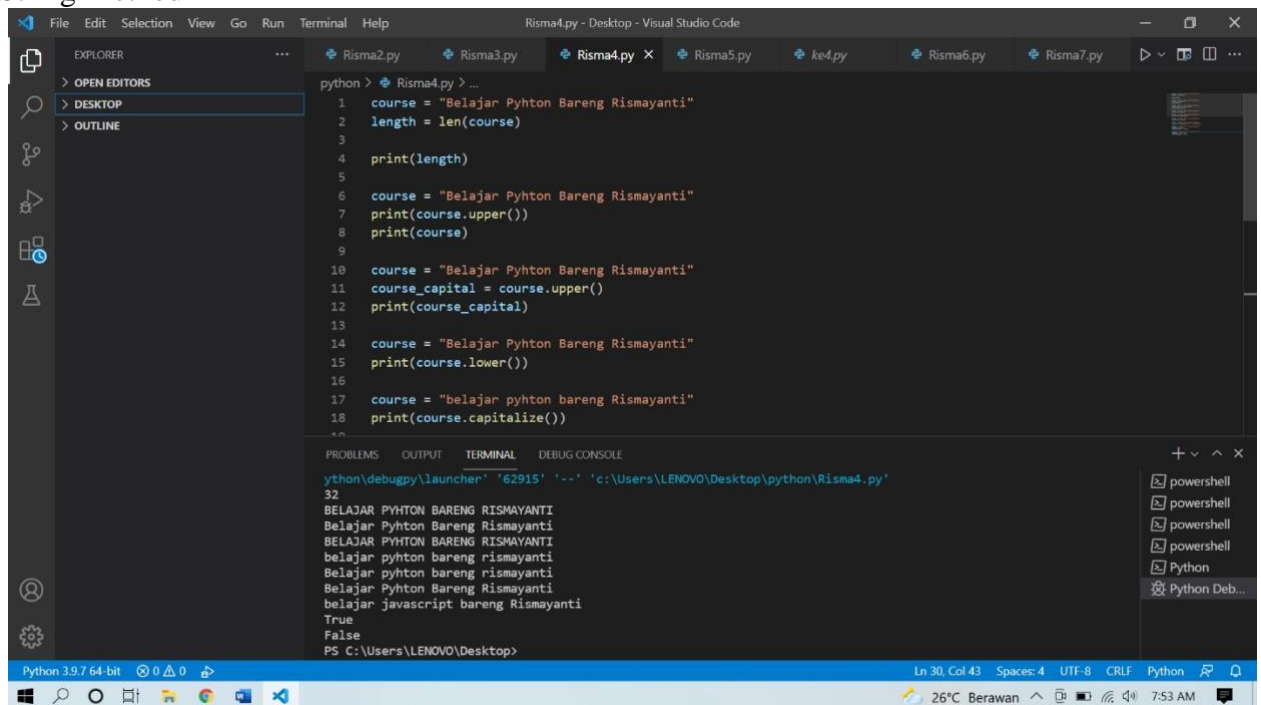
Terminal Output:

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '56671' '-.' 'c:\Users\LENOVO\Desktop\python\Risma3.py'
Rismayanti[Yanti]
Umur kamu 19
PS C:\Users\LENOVO\Desktop>
```

3. String Method



The screenshot shows the Visual Studio Code interface with a Python file named `Risma4.py` open. The code demonstrates various string methods like `len()`, `upper()`, `lower()`, and `capitalize()` on a string. The terminal shows the output of the script, which prints the length of the string and the string in different cases.

```
python > Risma4.py > ...
1 course = "Belajar Pyhton Bareng Rismayanti"
2 length = len(course)
3
4 print(length)
5
6 course = "Belajar Pyhton Bareng Rismayanti"
7 print(course.upper())
8 print(course)
9
10 course = "Belajar Pyhton Bareng Rismayanti"
11 course_capital = course.upper()
12 print(course_capital)
13
14 course = "Belajar Pyhton Bareng Rismayanti"
15 print(course.lower())
16
17 course = "belajar pyhton bareng Rismayanti"
18 print(course.capitalize())
19
```

Terminal Output:

```
python\debugpy\launcher '62915' '-.' 'c:\Users\LENOVO\Desktop\python\Risma4.py'
32
BELAJAR PYHTON BARENG RISMAYANTI
Belajar Pyhton Bareng Rismayanti
BELAJAR PYHTON BARENG RISMAYANTI
belajar pyhton bareng rismayanti
Belajar pyhton bareng rismayanti
Belajar Pyhton Bareng Rismayanti
belajar javascript bareng Rismayanti
True
False
PS C:\Users\LENOVO\Desktop>
```

```
python > Risma4.py > ...
15 print(course.lower())
16
17 course = "belajar pyhton bareng Rismayanti"
18 print(course.capitalize())
19
20 course = "belajar pyhton bareng Rismayanti"
21 print(course.title())
22
23 course = "belajar pyhton bareng Rismayanti"
24 print(course.replace("pyhton", "javascript"))
25
26 course = "belajar pyhton bareng Rismayanti"
27 language = "python"
28 print(language in course)
29
30 course = "belajar pyhton bareng Rismayanti"
31 language = "javascript"
32 print(language in course)
```

```
python\debugpy\launcher' '62915' '-' 'c:\Users\LENOVO\Desktop\python\Risma4.py'
32
BELAJAR PYHTON BARENG RISMAYANTI
Belajar Pyhton Bareng Rismayanti
BELAJAR PYHTON BARENG RISMAYANTI
belajar pyhton bareng rismayanti
Belajar pyhton bareng rismayanti
Belajar Pyhton Bareng Rismayanti
belajar javascript bareng Rismayanti
True
False
PS C:\Users\LENOVO\Desktop>
```

4. Matematika

```
python > Risma6.py > ...
1 x = 20
2 y = 10
3 print(x + y)
4
5 x = 20
6 y = 10
7 print(x - y)
8
9 x = 20
10 y = 10
11 print(x * y)
12
13 x = 20
14 y = 10
15 print(x / y)
16
17 x = 20
18 y = 10
19 print(x // y)
20
```

```
\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\p
ython\debugpy\launcher' '55989' '-' 'c:\Users\LENOVO\Desktop\python\Risma6.py'
30
10
200
2.0
1024000000000000
0
45
45
-5
PS C:\Users\LENOVO\Desktop>
```

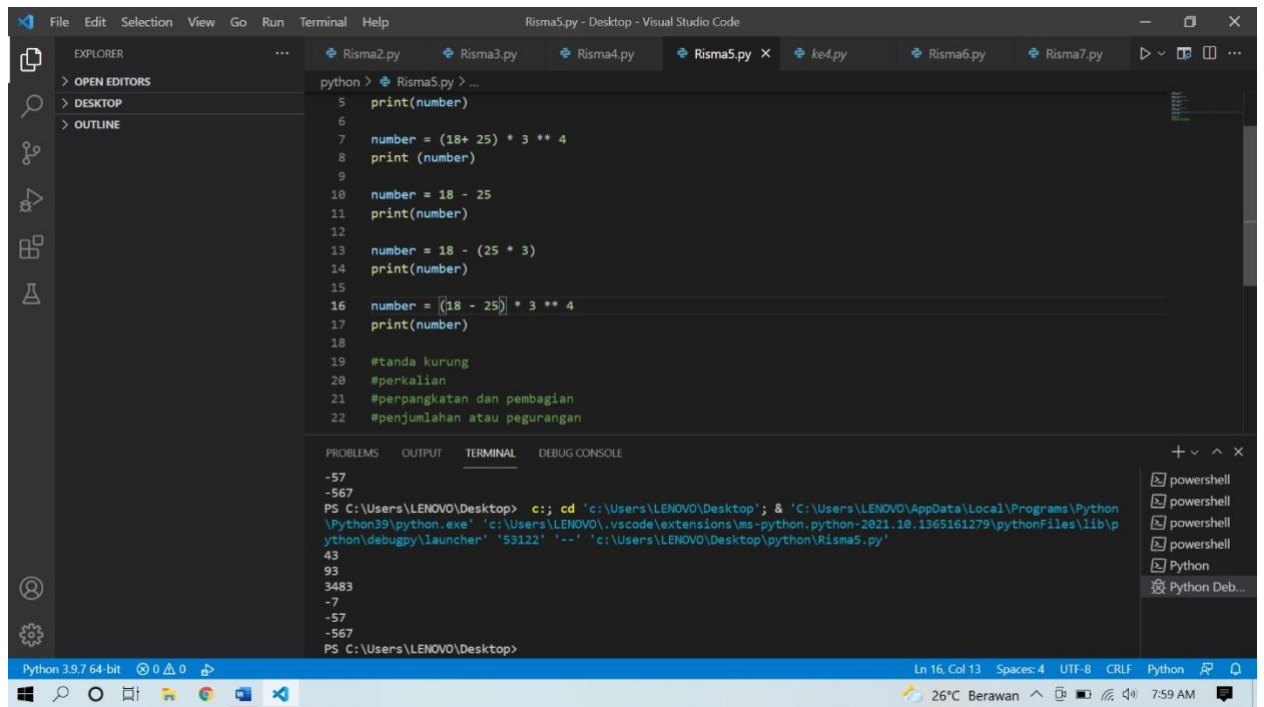
```
python > Risma6.py > ...
18 y = 10
19 print(x ** y)
20
21 x = 20
22 y = 10
23 print(x % y)
24
25 x = 20
26 x = x + 25
27 print(x)
28
29 x = 20
30 x += 25
31 print(x)
32
33 x = 20
34 x -= 25
35 print(x)
```

```
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\p
ython\debugpy\launcher' '55989' '--' 'c:\Users\LENOVO\Desktop\python\Risma6.py'
10
200
2.0
1024000000000000
0
45
45
-5
PS C:\Users\LENOVO\Desktop>
```

5. Operator Precedence

```
python > Risma5.py > ...
1 number = 18 + 25
2 print(number)
3
4 number = 18 + (25 * 3)
5 print(number)
6
7 number = (18+ 25) * 3 ** 4
8 print (number)
9
10 number = 18 - 25
11 print(number)
12
13 number = 18 - (25 * 3)
14 print(number)
15
16 number = (18 - 25) * 3 ** 4
17 print(number)
18
```

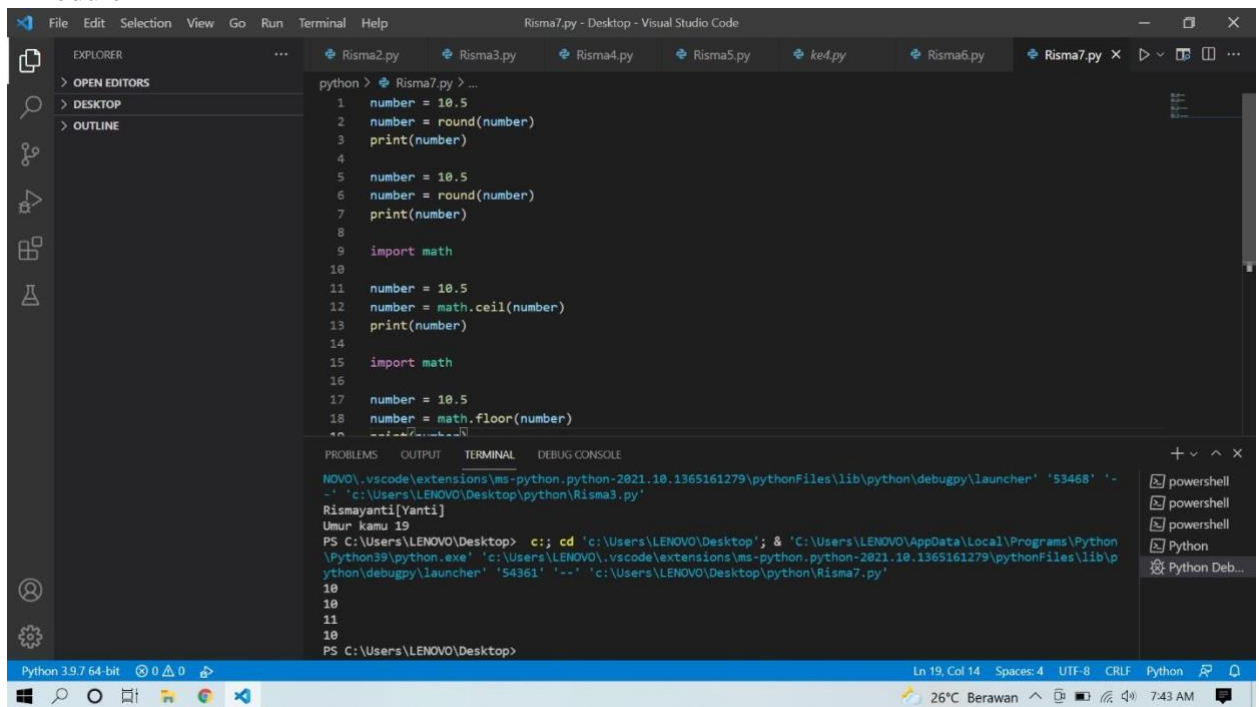
```
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
-57
-567
PS C:\Users\LENOVO\Desktop> c:; cd 'c:\Users\LENOVO\Desktop'; & 'c:\Users\LENOVO\AppData\Local\Programs\Python
\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\p
ython\debugpy\launcher' '53122' '--' 'c:\Users\LENOVO\Desktop\python\Risma5.py'
43
93
3483
-7
-567
PS C:\Users\LENOVO\Desktop>
```



```
python > Risma5.py > ...
5 print(number)
6
7 number = (18+ 25) * 3 ** 4
8 print (number)
9
10 number = 18 - 25
11 print(number)
12
13 number = 18 - (25 * 3)
14 print(number)
15
16 number = (18 - 25) * 3 ** 4
17 print(number)
18
19 #tanda kurung
20 #perkalian
21 #perpangkatan dan pembagian
22 #penjumlahan atau pengurangan
```

```
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
-57
-567
PS C:\Users\LENOVO\Desktop> c;; cd 'c:\Users\LENOVO\Desktop'; & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '53122' '--' 'c:\Users\LENOVO\Desktop\python\Risma5.py'
43
93
3483
-7
-57
-567
PS C:\Users\LENOVO\Desktop>
```

6. Math Module



```
python > Risma7.py > ...
1 number = 10.5
2 number = round(number)
3 print(number)
4
5 number = 10.5
6 number = round(number)
7 print(number)
8
9 import math
10
11 number = 10.5
12 number = math.ceil(number)
13 print(number)
14
15 import math
16
17 number = 10.5
18 number = math.floor(number)
19 print(number)
```

```
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
NOVO\vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '53468' '-
-' 'c:\Users\LENOVO\Desktop\python\Risma3.py'
Rismayanti[Yanti]
Usur kamu 19
10
11
10
PS C:\Users\LENOVO\Desktop> c;; cd 'c:\Users\LENOVO\Desktop'; & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '54361' '--' 'c:\Users\LENOVO\Desktop\python\Risma7.py'
10
11
10
PS C:\Users\LENOVO\Desktop>
```