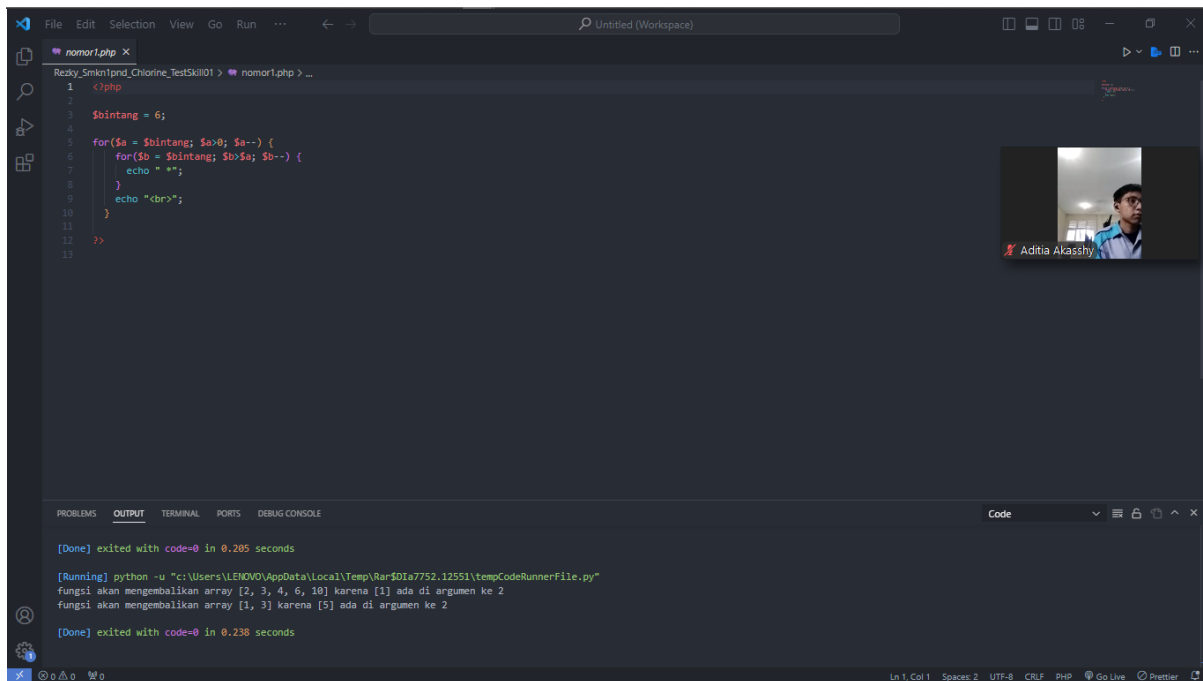
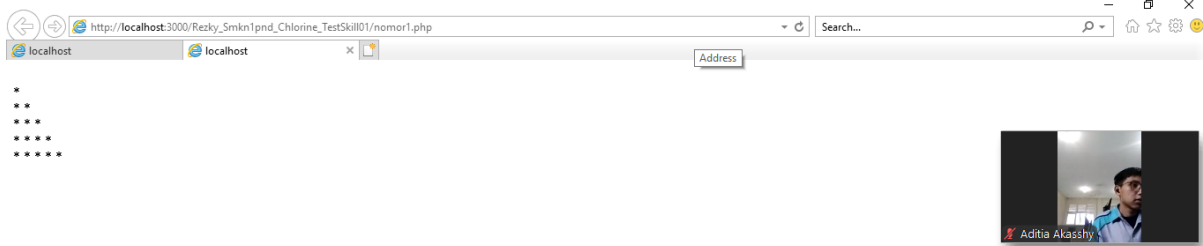


# MUHAMAD REZKY MAULANA PORTOFOLIO Pengerjaan Speed Test

1.



The image shows a VS Code editor window with a PHP file named `nomor2.php`. The code defines a function `generate_pattern($n)` that prints a pattern of asterisks. The pattern for `$n = 4` is as follows:

```
1  <?php
2  function generate_pattern($n) {
3      for ($a = 0; $a < $n; $a++) {
4          for ($b = 0; $b < $n - $a; $b++) {
5              if ($b == $a + 1 || $b == $a + 2) {
6                  echo " ";
7              } else {
8                  echo $a + 1;
9              }
10             echo "<br>";
11         }
12     }
13 }
14
15 $n = 4;
16 generate_pattern($n);
17 >>
18
```

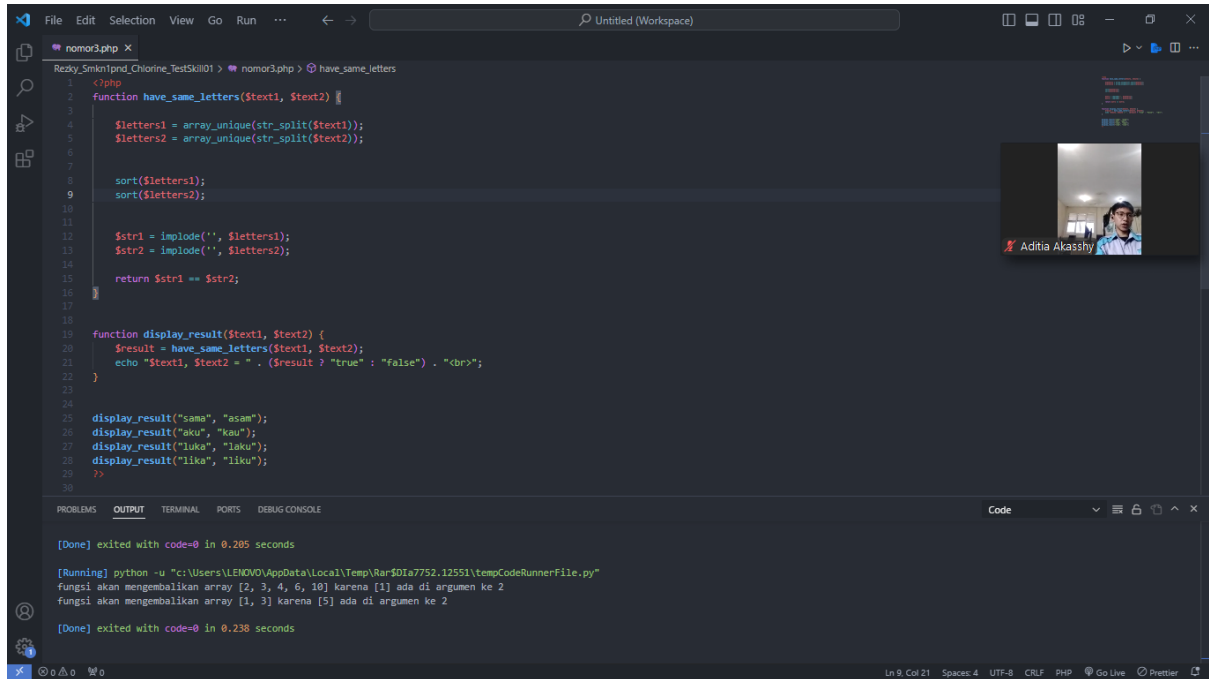
The output of the script is displayed in the terminal and the web browser. The terminal shows the command `python -u "C:\Users\LENOVO\AppData\Local\Temp\Rar$DIa7752.12551\tempCodeRunnerFile.py"` and the output of the script. The web browser shows the output of the script, which is a pattern of asterisks.

The web browser address bar shows `http://localhost:3000/Resky_Smkn1pnd_Chlorine_TestSkill01/nomor2.php`. The output of the script is displayed in the browser window.

The output of the script is:

```
1**4567
12**567
123**67
1234**7
```

3.



```
1 <?php
2 function have_same_letters($text1, $text2) {
3
4     $letters1 = array_unique(str_split($text1));
5     $letters2 = array_unique(str_split($text2));
6
7
8     sort($letters1);
9     sort($letters2);
10
11
12     $str1 = implode('', $letters1);
13     $str2 = implode('', $letters2);
14
15     return $str1 == $str2;
16 }
17
18
19 function display_result($text1, $text2) {
20     $result = have_same_letters($text1, $text2);
21     echo "$text1, $text2 = " . ($result ? "true" : "false") . "<br>";
22 }
23
24
25 display_result("sama", "asam");
26 display_result("aku", "kau");
27 display_result("luka", "laku");
28 display_result("lika", "liku");
29 }
30
```

PROBLEMS OUTPUT TERMINAL PORTS DEBUG CONSOLE Code

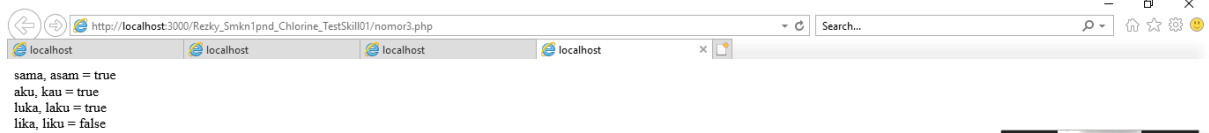
[Done] exited with code=0 in 0.205 seconds

[Running] python -u "c:\Users\LENOVO\AppData\Local\Temp\Bard\Di7752.12551\tempCodeRunnerFile.py"

fungsi akan mengembalikan array [2, 3, 4, 6, 10] karena [1] ada di argumen ke 2

fungsi akan mengembalikan array [1, 3] karena [5] ada di argumen ke 2

[Done] exited with code=0 in 0.238 seconds

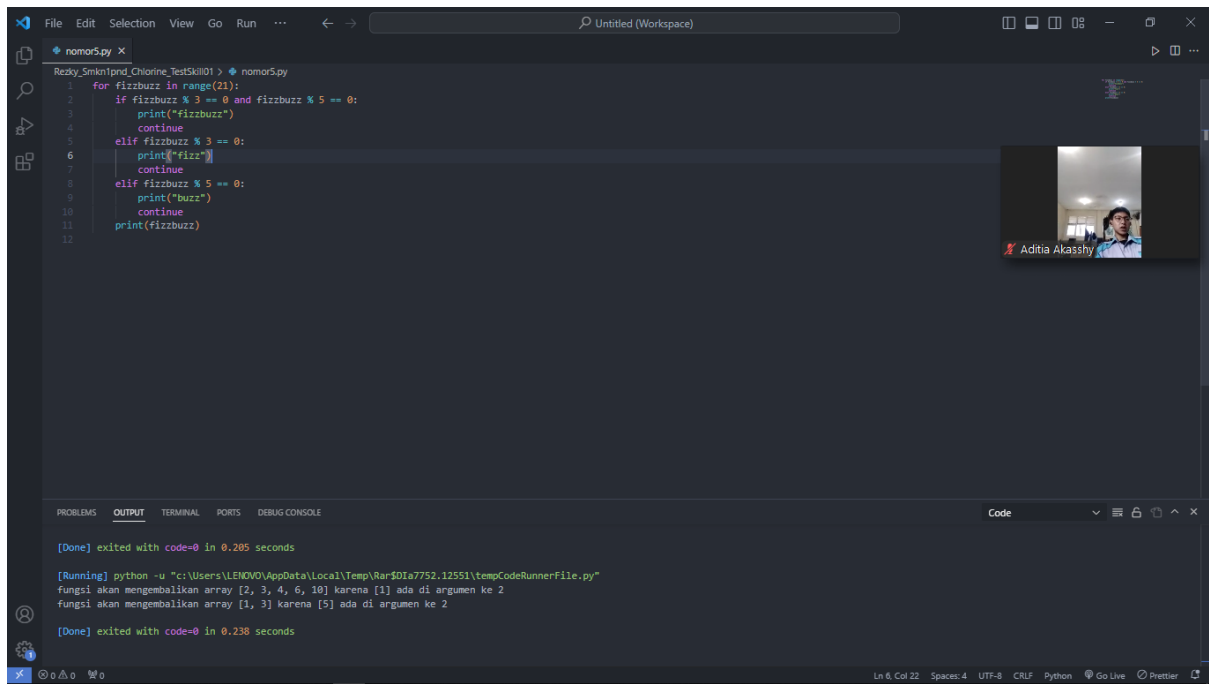


http://localhost:3000/Rezky\_Smkn1pnd\_Chlorine\_TestSkill01/nomor3.php

sama, asam = true  
aku, kau = true  
luka, laku = true  
lika, liku = false

4.-

5.



The screenshot shows the Visual Studio Code editor with a file named 'nomor5.py' open. The code is a Python script that iterates through numbers from 1 to 20, printing 'fizzbuzz' for multiples of both 3 and 5, 'fizz' for multiples of 3, 'buzz' for multiples of 5, and the number itself for other cases. The terminal output shows the script running successfully, with the output: 'fizzbuzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz'.

```
1 for fizzbuzz in range(21):
2     if fizzbuzz % 3 == 0 and fizzbuzz % 5 == 0:
3         print("fizzbuzz")
4         continue
5     elif fizzbuzz % 3 == 0:
6         print("fizz")
7         continue
8     elif fizzbuzz % 5 == 0:
9         print("buzz")
10        continue
11    print(fizzbuzz)
12
```

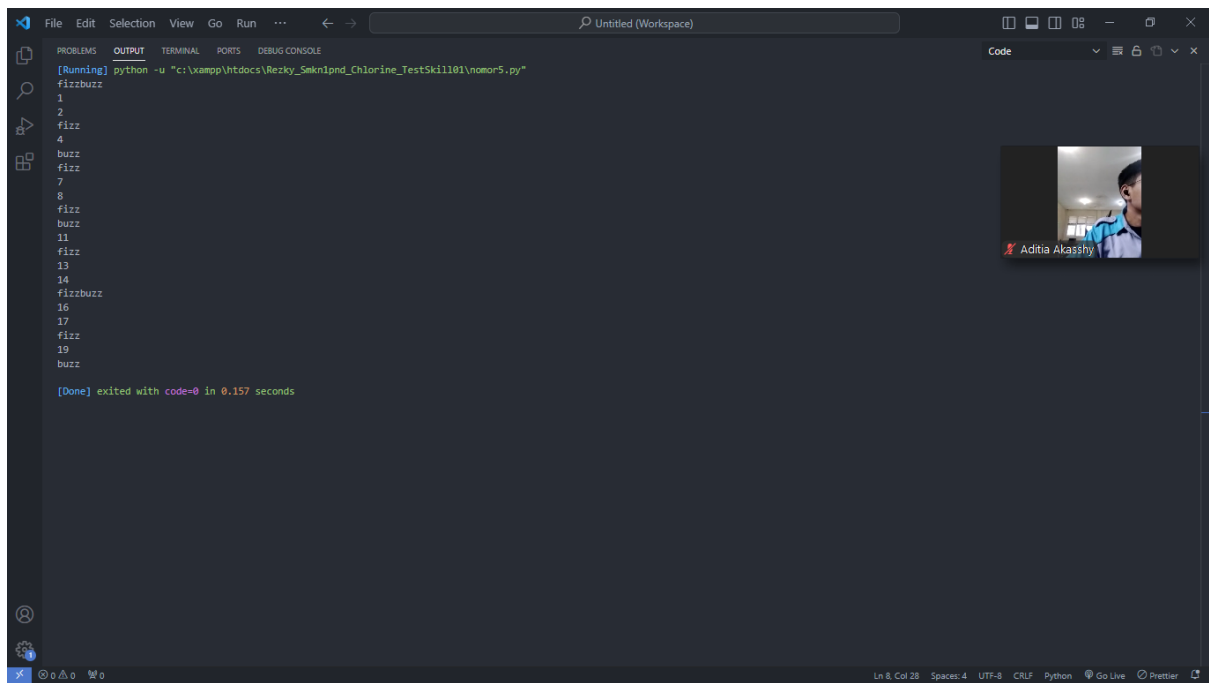
[Done] exited with code=0 in 0.205 seconds

[Running] python -u "c:\Users\LENOVO\AppData\Local\Temp\Ran40In7752.12551\tempCodeRunnerFile.py"

fungsi akan mengembalikan array [2, 3, 4, 6, 10] karena [1] ada di argumen ke 2

fungsi akan mengembalikan array [1, 3] karena [5] ada di argumen ke 2

[Done] exited with code=0 in 0.238 seconds

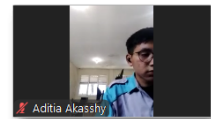
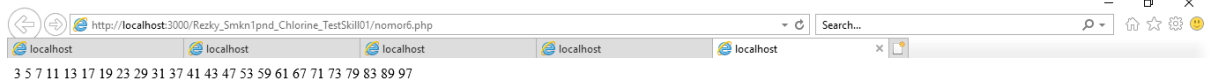
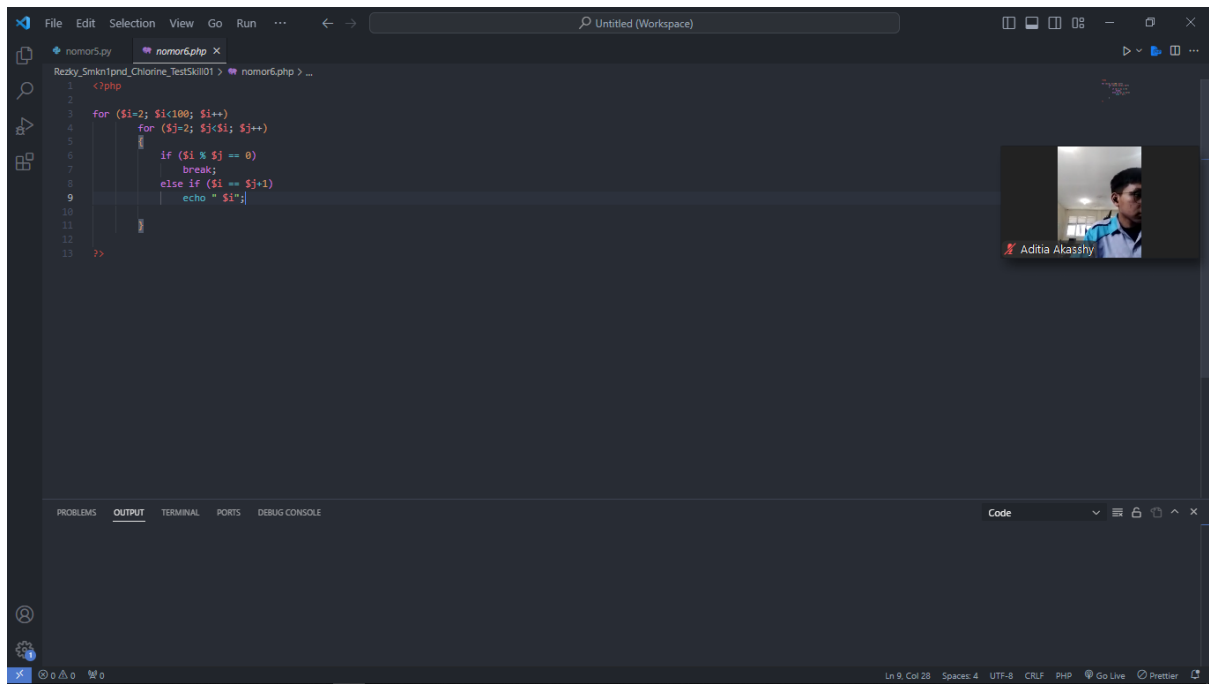


The screenshot shows the same Visual Studio Code editor with the same Python script. The terminal output is different, showing the output: 'fizzbuzz', 'fizz', 'fizz', 'buzz', 'fizz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz', 'fizz', 'buzz'.

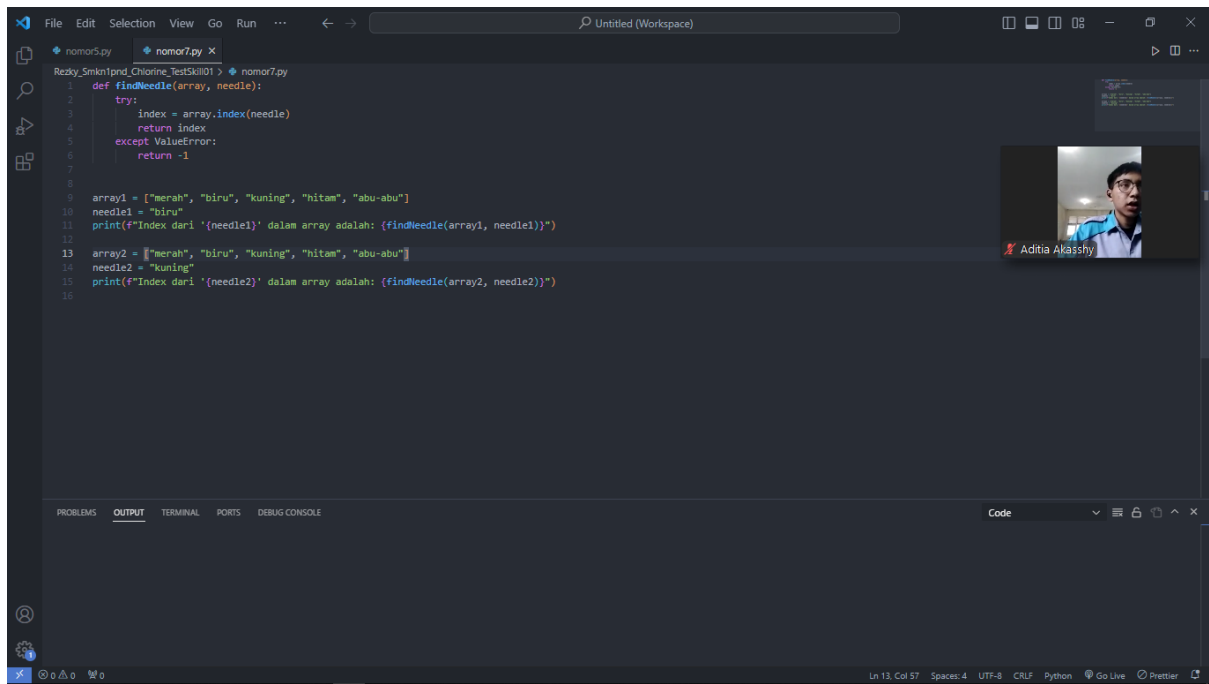
```
1 fizzbuzz
2 1
3 2
4 fizz
5 4
6 buzz
7 fizz
8 7
9 fizz
10 buzz
11 11
12 fizz
13 13
14 fizzbuzz
15 16
16 17
17 fizz
18 19
19 buzz
20
```

[Done] exited with code=0 in 0.157 seconds

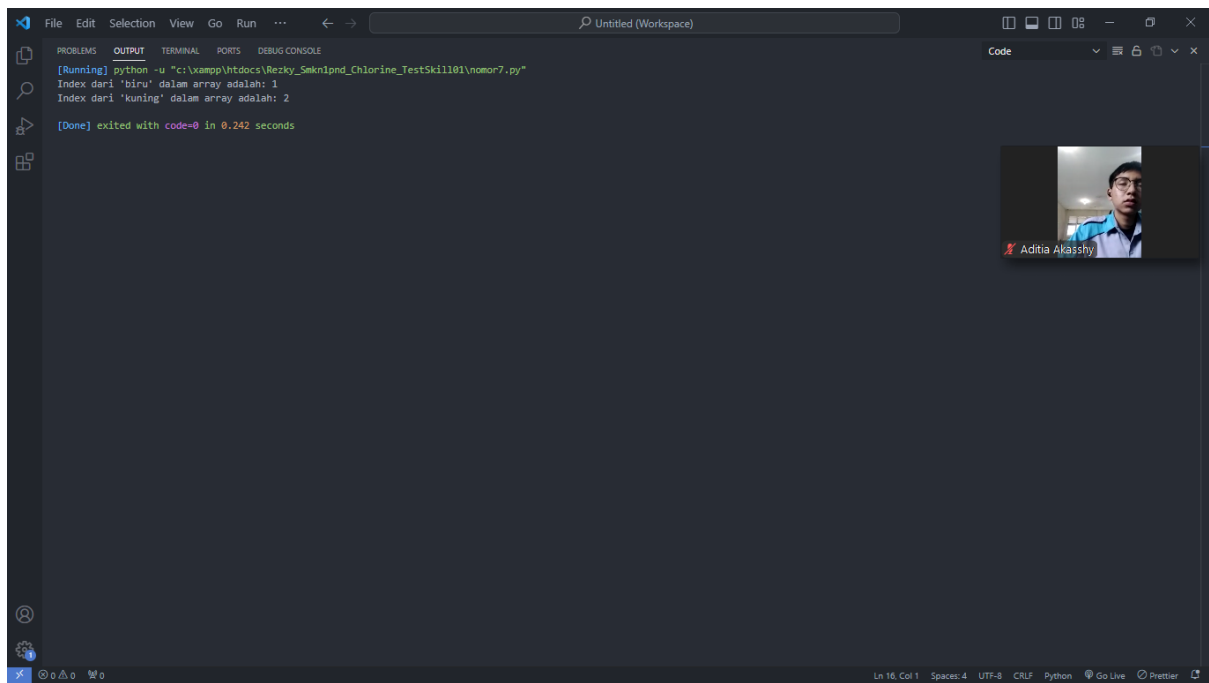
6.



7.



```
1 def findNeedle(array, needle):
2     try:
3         index = array.index(needle)
4         return index
5     except ValueError:
6         return -1
7
8
9 array1 = ["merah", "biru", "kuning", "hitam", "abu-abu"]
10 needle1 = "biru"
11 print(f"Index dari '{needle1}' dalam array adalah: {findNeedle(array1, needle1)}")
12
13 array2 = ["merah", "biru", "kuning", "hitam", "abu-abu"]
14 needle2 = "kuning"
15 print(f"Index dari '{needle2}' dalam array adalah: {findNeedle(array2, needle2)}")
16
```

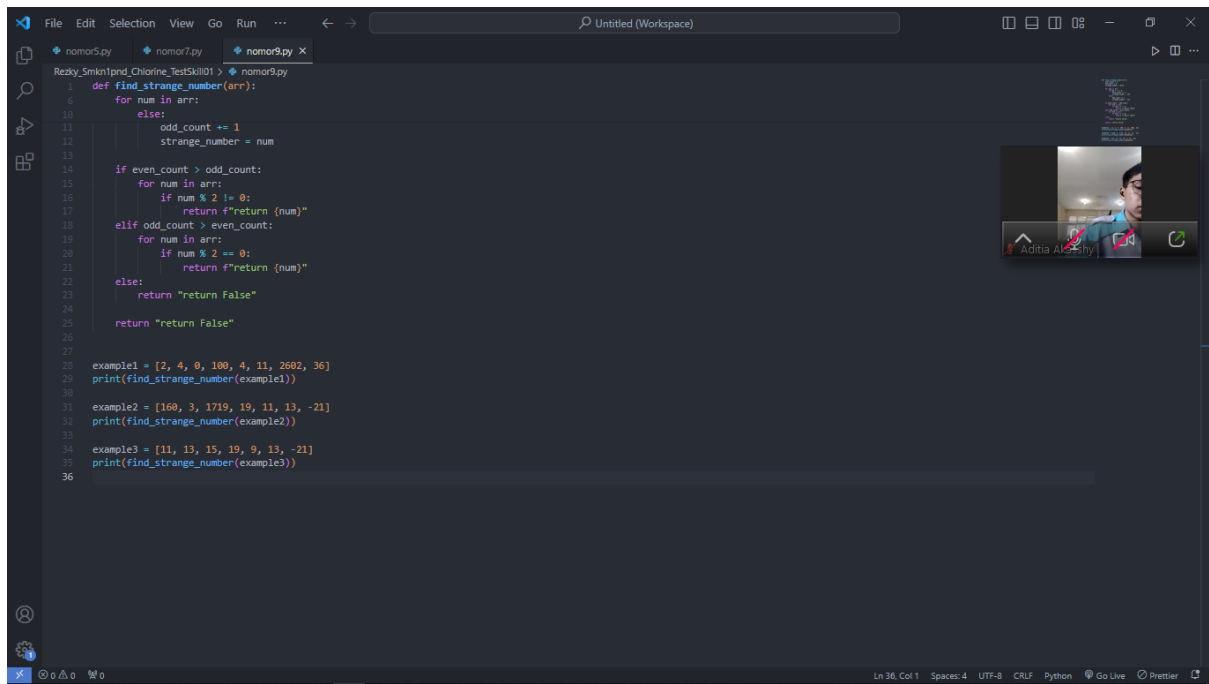


```
[Running] python -u "c:\xampp\htdocs\Rezky_Semknpnd_Chlorine_TestSkill101\nomor7.py"
Index dari 'biru' dalam array adalah: 1
Index dari 'kuning' dalam array adalah: 2

[Done] exited with code=0 in 0.242 seconds
```

8.-

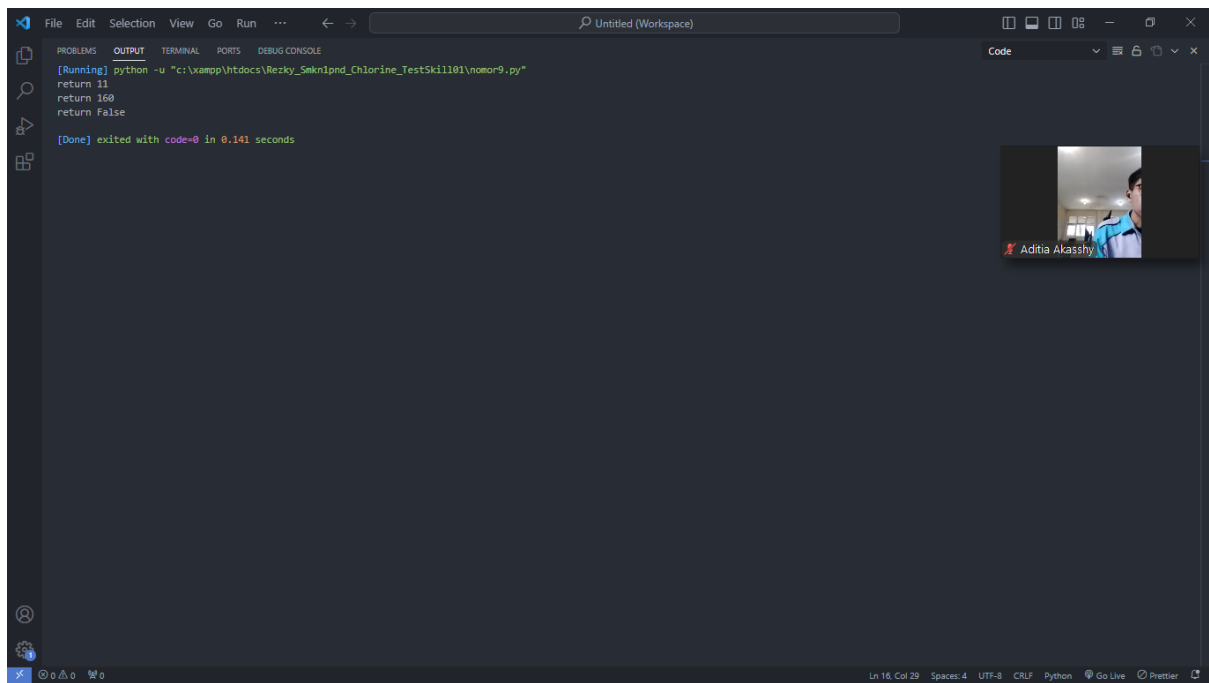
9.



The screenshot shows a VS Code editor with a workspace named 'Untitled (Workspace)'. The editor has three tabs: 'nomor5.py', 'nomor7.py', and 'nomor9.py'. The 'nomor9.py' tab is active, displaying the following Python code:

```
1 def find_strange_number(arr):
2     for num in arr:
3         if num % 2 != 0:
4             odd_count += 1
5             strange_number = num
6         else:
7             if even_count > odd_count:
8                 for num in arr:
9                     if num % 2 != 0:
10                        return f"return {num}"
11             elif odd_count > even_count:
12                 for num in arr:
13                     if num % 2 == 0:
14                        return f"return {num}"
15             else:
16                 return "return False"
17
18 example1 = [2, 4, 0, 100, 4, 11, 2502, 36]
19 print(find_strange_number(example1))
20
21 example2 = [160, 3, 1719, 19, 11, 13, -21]
22 print(find_strange_number(example2))
23
24 example3 = [11, 13, 15, 19, 9, 13, -21]
25 print(find_strange_number(example3))
26
27
```

On the right side of the editor, there is a small video window showing a person's face, with the name 'Aditia Akasshy' visible below it.

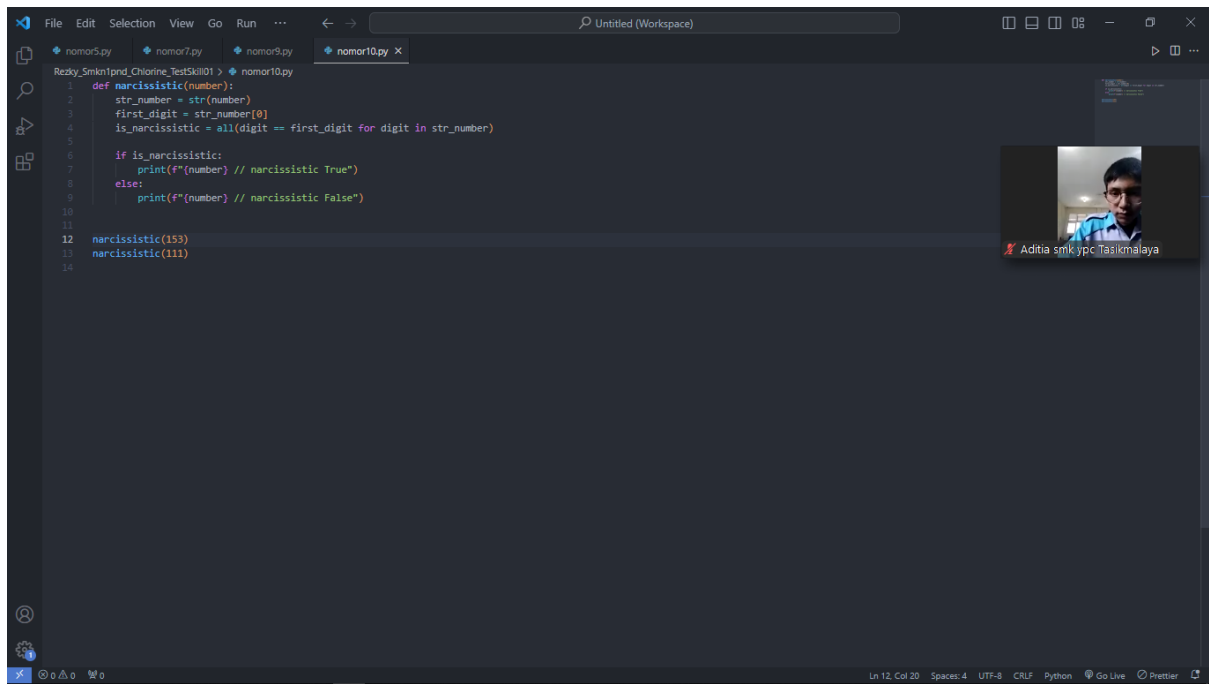


The screenshot shows the same VS Code editor workspace, but now the 'OUTPUT' panel is open, displaying the execution results of the Python script. The output is as follows:

```
[Running] python -u "c:\xampp\htdocs\Rezky_Seknipnd_Chlorine_TestSkill101\nomor9.py"
return 11
return 160
return False
[Done] exited with code=0 in 0.141 seconds
```

The video window on the right side of the editor remains open, showing the same person and name 'Aditia Akasshy'.

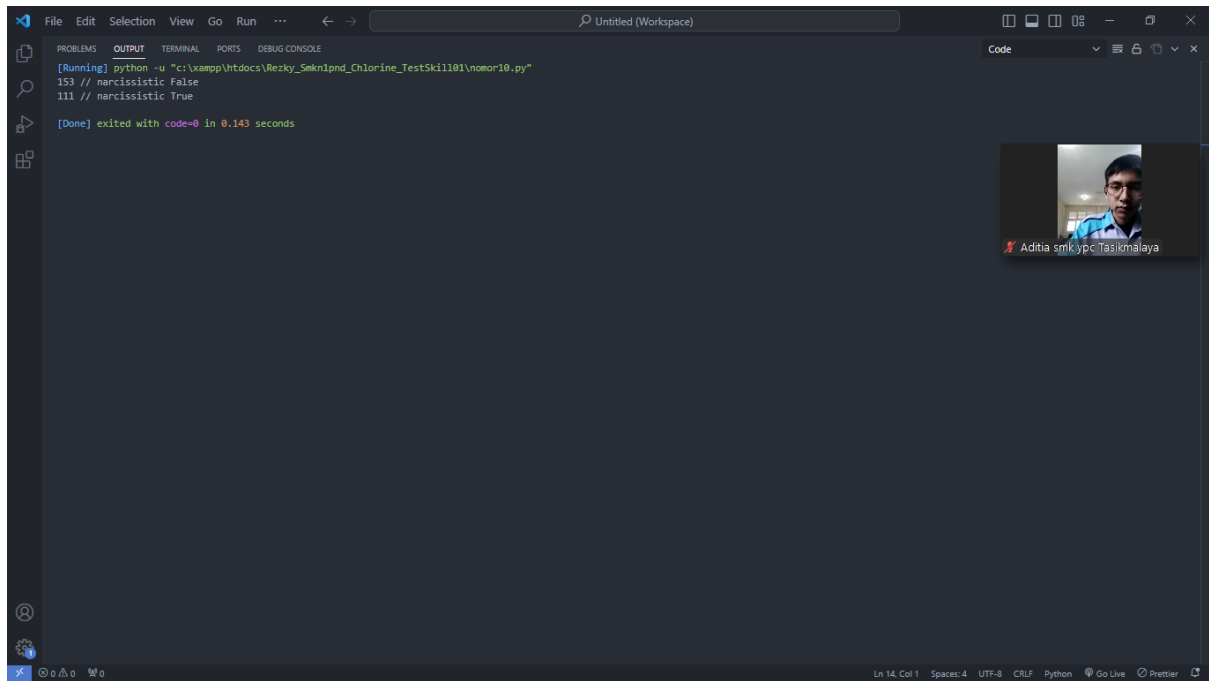
10.



The screenshot shows the Visual Studio Code editor with a workspace named 'Untitled (Workspace)'. The editor has four tabs open: 'nomor5.py', 'nomor7.py', 'nomor9.py', and 'nomor10.py'. The 'nomor10.py' tab is active, displaying the following Python code:

```
1 def narcissistic(number):
2     str_number = str(number)
3     first_digit = str_number[0]
4     is_narcissistic = all(digit == first_digit for digit in str_number)
5
6     if is_narcissistic:
7         print(f"{number} // narcissistic True")
8     else:
9         print(f"{number} // narcissistic False")
10
11
12 narcissistic(153)
13 narcissistic(111)
14
```

On the right side of the editor, there is a small video window showing a person with glasses and a blue shirt, with the name 'Aditia smk ypc Tasikmalaya' displayed below it. The status bar at the bottom indicates 'Ln 12, Col 20', 'Spaces: 4', 'UTF-8', 'CRLF', 'Python', 'Go Live', and 'Prettier'.



The screenshot shows the Visual Studio Code editor with the same workspace. The 'OUTPUT' panel is open, showing the execution results of the Python script. The output is as follows:

```
[Running] python -u "c:\xampp\htdocs\Rezky_SmknIpd_Chlorine_TestSkill01\nomor10.py"
153 // narcissistic False
111 // narcissistic True
[Done] exited with code=0 in 0.143 seconds
```

The video window on the right side of the editor remains open, showing the same person with the name 'Aditia smk ypc Tasikmalaya'. The status bar at the bottom indicates 'Ln 14, Col 1', 'Spaces: 4', 'UTF-8', 'CRLF', 'Python', 'Go Live', and 'Prettier'.