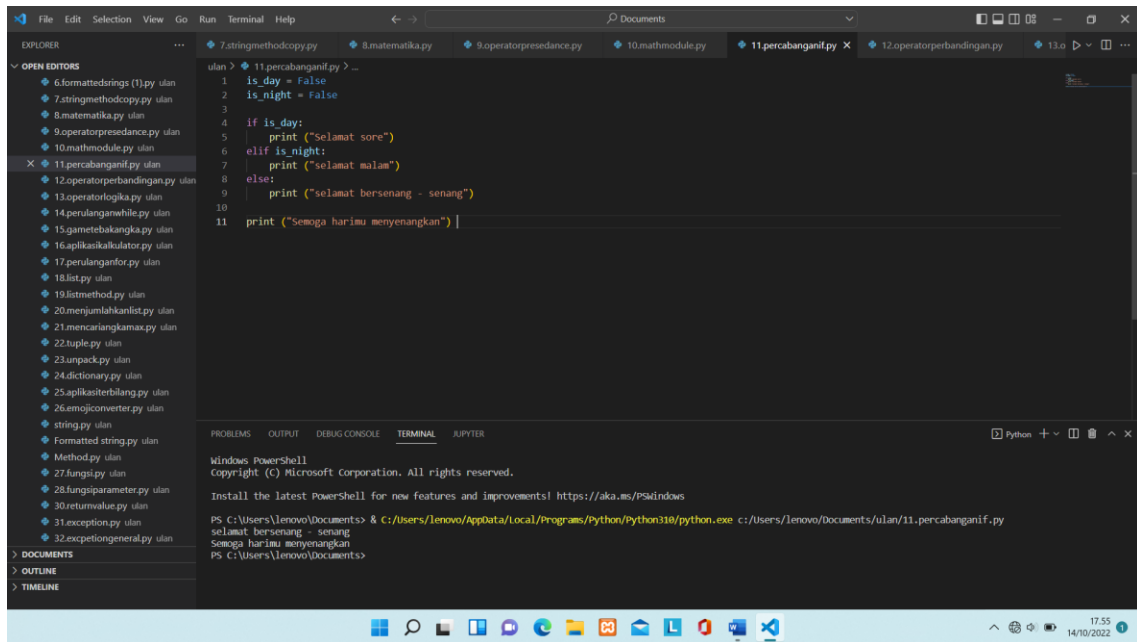


NAMA : ASTUTI NOVITA WULANDARI

NIM : 211001007

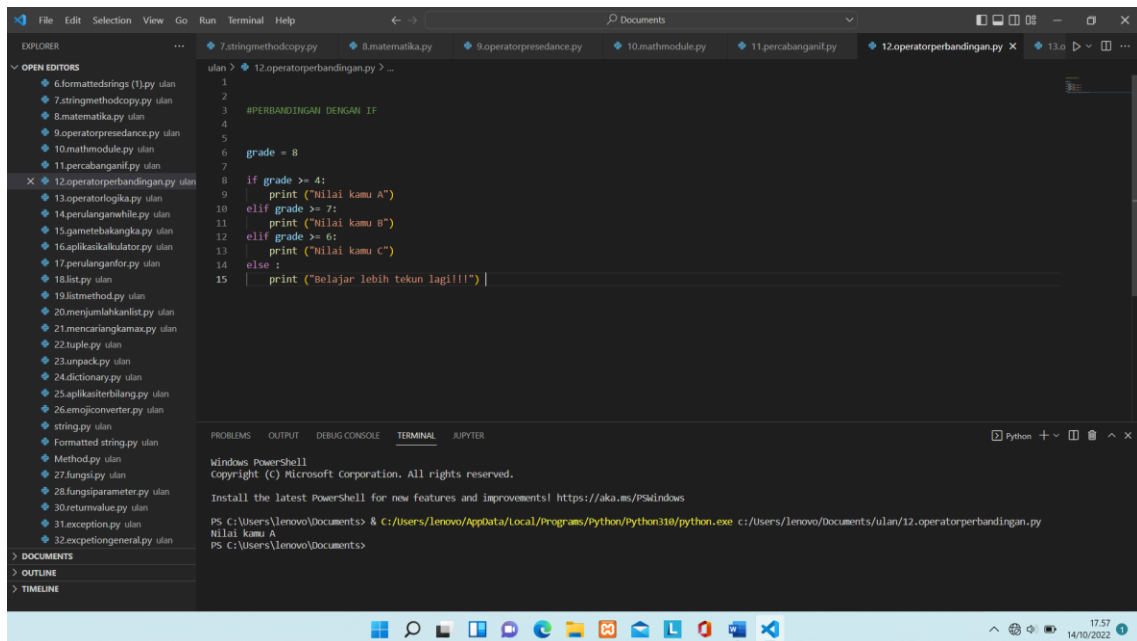
KELAS : D / KECERDASAN BUATAN

1. PERCABANGAN IF



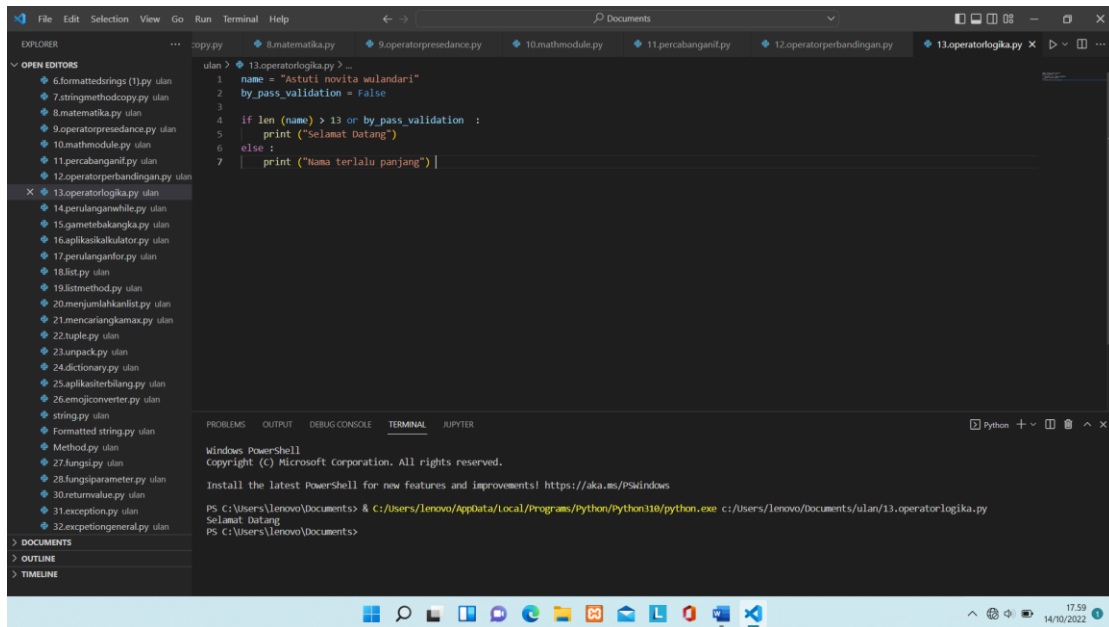
```
File Edit Selection View Go Run Terminal Help
Documents
EXPLORER
  OPEN EDITORS
    6.formattedstrings (1).py ulan
    7.stringmethodcopy.py ulan
    8.matematika.py ulan
    9.operatorpresedance.py ulan
    10.mathmodule.py ulan
    X 11.percabanganif.py ulan
    12.operatorperbandingan.py ulan
    13.operatorlogika.py ulan
    14.perulanganwhile.py ulan
    15.gametebakangka.py ulan
    16.aplikasikalkulator.py ulan
    17.perulanganfor.py ulan
    18.list.py ulan
    19.listmethod.py ulan
    20.menjumlahkanlist.py ulan
    21.mencariangkamax.py ulan
    22.tuple.py ulan
    23.unpack.py ulan
    24.dictionary.py ulan
    25.aplikasiterbilang.py ulan
    26.emojiconverter.py ulan
    string.py ulan
    Formatted string.py ulan
    Method.py ulan
    27.fungsi.py ulan
    28.fungsiparameter.py ulan
    30.returnvalue.py ulan
    31.exception.py ulan
    32.exceptiogeneral.py ulan
  DOCUMENTS
  OUTLINE
  TIMELINE
  ulan > 11.percabanganif.py > ...
    1 is_day = False
    2 is_night = False
    3
    4 if is_day:
    5     print ("selamat sore")
    6 elif is_night:
    7     print ("selamat malam")
    8 else:
    9     print ("selamat bersenang - senang")
    10
    11 print ("Semoga harimu menyenangkan") |
  PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
  Windows PowerShell
  Copyright (C) Microsoft Corporation. All rights reserved.
  Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
  PS C:\Users\lenovo\Documents> & C:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe c:/Users/lenovo/Documents/ulan/11.percabanganif.py
  selamat bersenang - senang
  Semoga harimu menyenangkan
  PS C:\Users\lenovo\Documents>
```

2. OPERATOR PERBANDINGAN



```
File Edit Selection View Go Run Terminal Help
Documents
EXPLORER
  OPEN EDITORS
    6.formattedstrings (1).py ulan
    7.stringmethodcopy.py ulan
    8.matematika.py ulan
    9.operatorpresedance.py ulan
    10.mathmodule.py ulan
    11.percabanganif.py ulan
    X 12.operatorperbandingan.py ulan
    13.operatorlogika.py ulan
    14.perulanganwhile.py ulan
    15.gametebakangka.py ulan
    16.aplikasikalkulator.py ulan
    17.perulanganfor.py ulan
    18.list.py ulan
    19.listmethod.py ulan
    20.menjumlahkanlist.py ulan
    21.mencariangkamax.py ulan
    22.tuple.py ulan
    23.unpack.py ulan
    24.dictionary.py ulan
    25.aplikasiterbilang.py ulan
    26.emojiconverter.py ulan
    string.py ulan
    Formatted string.py ulan
    Method.py ulan
    27.fungsi.py ulan
    28.fungsiparameter.py ulan
    30.returnvalue.py ulan
    31.exception.py ulan
    32.exceptiogeneral.py ulan
  DOCUMENTS
  OUTLINE
  TIMELINE
  ulan > 12.operatorperbandingan.py > ...
    1
    2
    3 #PERBANDINGAN DENGAN IF
    4
    5
    6 grade = 8
    7
    8 if grade >= 4:
    9     print ("Nilai kamu A")
    10 elif grade >= 7:
    11     print ("Nilai kamu B")
    12 elif grade >= 6:
    13     print ("Nilai kamu C")
    14 else :
    15     print ("Belajar lebih tekun lagi!!!") |
  PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
  Windows PowerShell
  Copyright (C) Microsoft corporation. All rights reserved.
  Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
  PS C:\Users\lenovo\Documents> & C:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe c:/Users/lenovo/Documents/ulan/12.operatorperbandingan.py
  Nilai kamu A
  PS C:\Users\lenovo\Documents>
```

3. OPERATOR LOGIKA

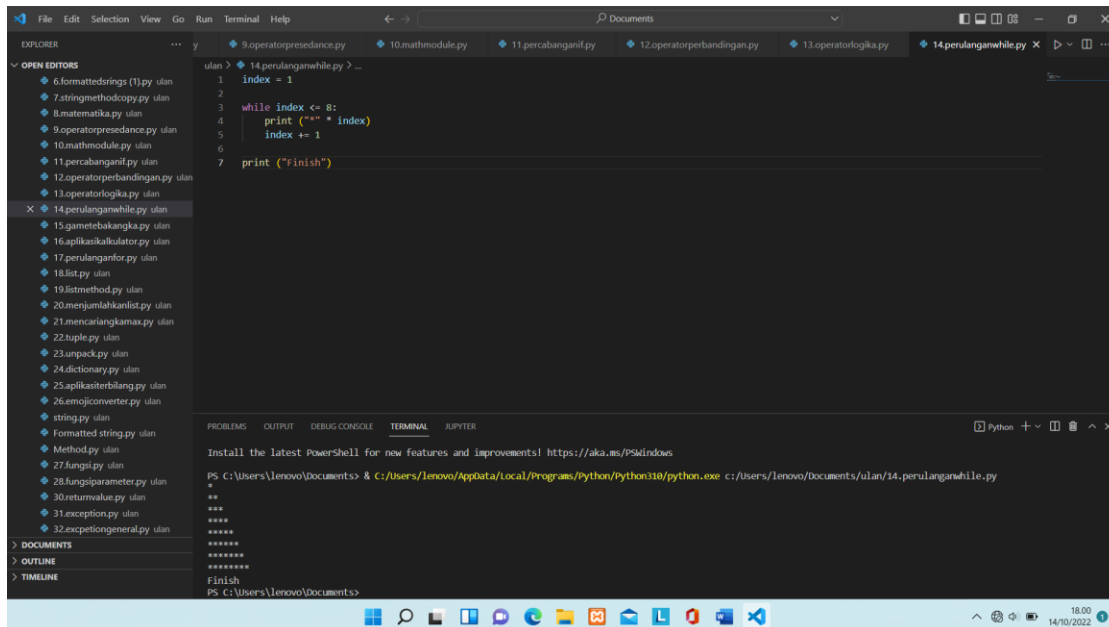


The screenshot shows a Visual Studio Code editor with a file explorer on the left containing various Python files. The main editor window displays a Python script named `13.operatorlogika.py`. The script defines a variable `name` with the value "Astuti novita wulandari" and a boolean variable `by_pass_validation` set to `False`. It then uses an `if` statement with a logical condition `len(name) > 13 or by_pass_validation` to print "Selamat Datang" if the condition is true, and "Nama terlalu panjang" otherwise. Below the editor, the terminal window shows the command prompt output: `PS C:\Users\lenovo\Documents> & C:/Users/lenovo/AppData/Local/Programs/Python/Python118/python.exe c:/Users/lenovo/Documents/ulan/13.operatorlogika.py`, followed by the program's output: `Selamat Datang`.

```
1 name = "Astuti novita wulandari"
2 by_pass_validation = False
3
4 if len(name) > 13 or by_pass_validation :
5     print ("Selamat Datang")
6 else :
7     print ("Nama terlalu panjang")
```

```
PS C:\Users\lenovo\Documents> & C:/Users/lenovo/AppData/Local/Programs/Python/Python118/python.exe c:/Users/lenovo/Documents/ulan/13.operatorlogika.py
Selamat Datang
PS C:\Users\lenovo\Documents>
```

4. PERULANGAN WHILE

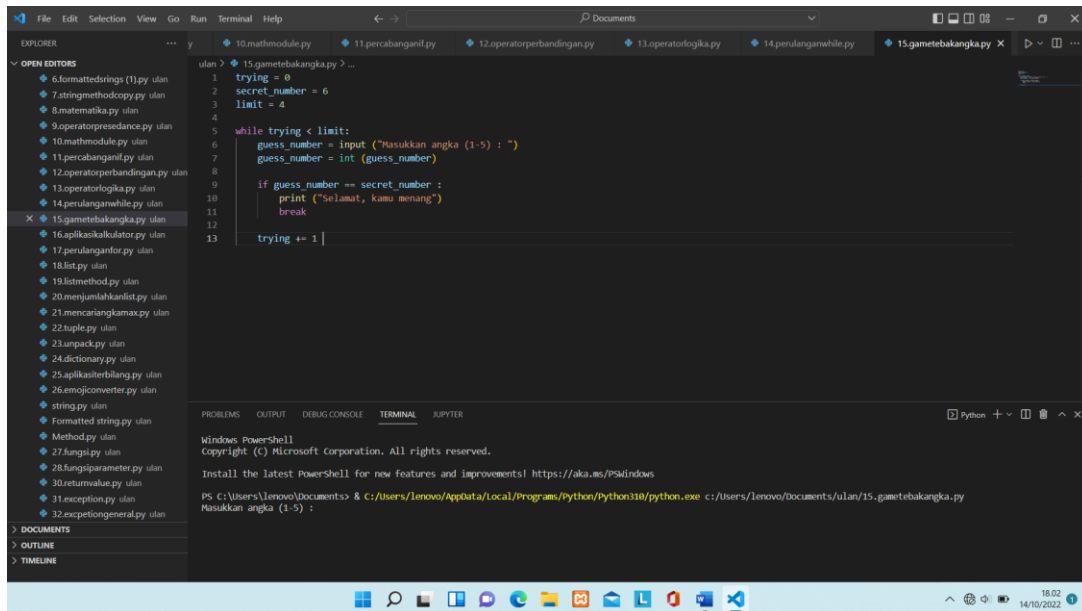


The screenshot shows a Visual Studio Code editor with a file explorer on the left. The main editor window displays a Python script named `14.perulanganwhile.py`. The script initializes a variable `index` to 1 and enters a `while` loop that continues as long as `index` is less than or equal to 8. Inside the loop, it prints the value of `index` multiplied by itself and increments `index` by 1. After the loop, it prints "Finish". The terminal window shows the command prompt output: `PS C:\Users\lenovo\Documents> & C:/Users/lenovo/AppData/Local/Programs/Python/Python118/python.exe c:/Users/lenovo/Documents/ulan/14.perulanganwhile.py`, followed by the program's output: `1`, `4`, `9`, `16`, `25`, `36`, `49`, `64`, `81`, and `Finish`.

```
1 index = 1
2
3 while index <= 8:
4     print ("*" * index)
5     index += 1
6
7 print ("Finish")
```

```
PS C:\Users\lenovo\Documents> & C:/Users/lenovo/AppData/Local/Programs/Python/Python118/python.exe c:/Users/lenovo/Documents/ulan/14.perulanganwhile.py
1
4
9
16
25
36
49
64
81
Finish
PS C:\Users\lenovo\Documents>
```

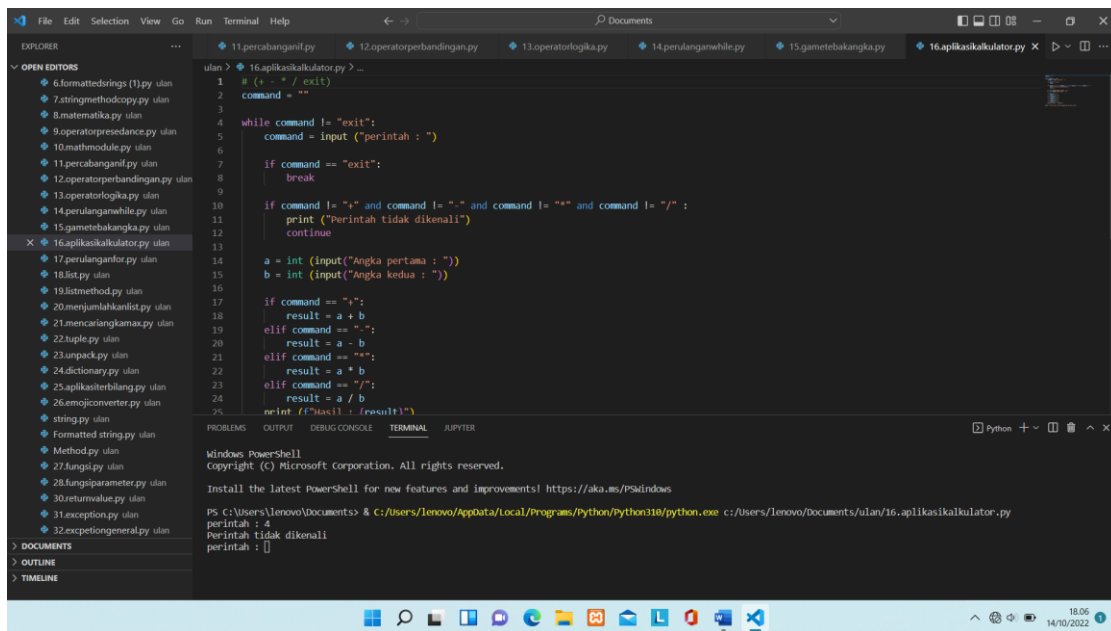
5. GAME TEBAK ANGKA



```
15.gametebakangka.py > ...
1  trying = 0
2  secret_number = 6
3  limit = 4
4
5  while trying < limit:
6      guess_number = input("Masukkan angka (1-5) : ")
7      guess_number = int(guess_number)
8      if guess_number == secret_number:
9          print("Selamat, kamu menang!")
10         break
11     trying += 1
```

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>
PS C:\Users\lenovo\Documents> & C:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe c:/Users/lenovo/Documents/ulan/15.gametebakangka.py
Masukkan angka (1-5) :

6. APLIKASI KALKULATOR



```
16.aplikasikalkulator.py > ...
1  a = (+, -, *, /, %)
2  command = ""
3
4  while command != "exit":
5      command = input("perintah : ")
6
7      if command == "exit":
8          break
9
10     if command != "+" and command != "-" and command != "*" and command != "/" :
11         print("Perintah tidak dikenali")
12         continue
13
14     a = int(input("Angka pertama : "))
15     b = int(input("Angka kedua : "))
16
17     if command == "+":
18         result = a + b
19     elif command == "-":
20         result = a - b
21     elif command == "*":
22         result = a * b
23     elif command == "/":
24         result = a / b
25     print(f"Hasil : {result}")
```

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>
PS C:\Users\lenovo\Documents> & C:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe c:/Users/lenovo/Documents/ulan/16.aplikasikalkulator.py
perintah : 4
Perintah tidak dikenali
perintah :