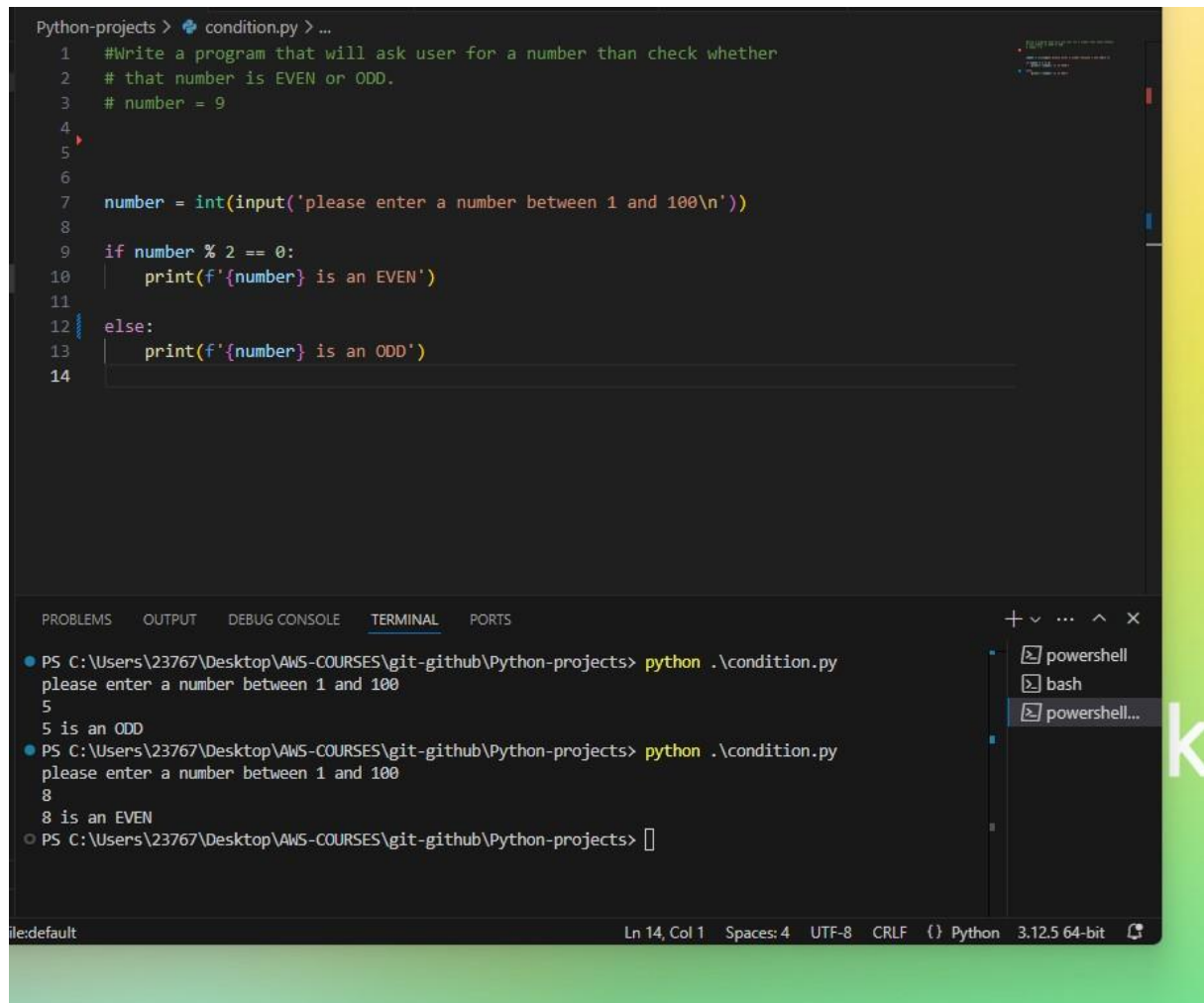


Lab1, lab2, lab3: condition, grade-calculator, age-group-categorization

Write a program that will ask user for a number than check whether that number is EVEN or ODD.



```
Python-projects > condition.py > ...
1  #Write a program that will ask user for a number than check whether
2  # that number is EVEN or ODD.
3  # number = 9
4
5
6
7  number = int(input('please enter a number between 1 and 100\n'))
8
9  if number % 2 == 0:
10     print(f'{number} is an EVEN')
11
12 else:
13     print(f'{number} is an ODD')
14
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

- PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> python .\condition.py
please enter a number between 1 and 100
5
5 is an ODD
- PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> python .\condition.py
please enter a number between 1 and 100
8
8 is an EVEN
- PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects>

file:default Ln 14, Col 1 Spaces: 4 UTF-8 CRLF () Python 3.12.5 64-bit

Lab2 : grade-calculator

Write a program that will ask a student for their grade in 5 subjects. Calculate your average grade and print grade from A-E.

```
Python projects > grade_calculator.py 2 ...
1 # Write a program that will ask a student for their grade in 5 subjects
2 # Calculate your average grade and print grade from A-E.
3
4 subject1 = int(input('enter the grade of that french:\n'))
5 subject2 = int(input('enter the grade of that maths:\n'))
6 subject3 = int(input('enter the grade of that economics:\n'))
7 subject4 = int(input('enter the grade of that sciences:\n'))
8 subject5 = int(input('enter the grade of that english:\n'))
9
10 number_subject = 5
11
12 average = subject1 + subject2 + subject3 + subject4 + subject5 / number_subject
13
14 if average >= 90:
15     print('you PASSED with A')
16
17 elif average >= 80 and average <= 70:
18     print('you PASSED with B')
19
20 elif average >= 70 and average <= 60:
21     print('you PASSED with C')
22
```

```
17 elif average >= 80 and average <= 70:
18     print('you PASSED with B')
19
20 elif average >= 70 and average <= 60:
21     print('you PASSED with C')
22
23 else:
24     print('you FAILED')
25
26
27
28
29
```

enter the grade of that french:
0
enter the grade of that maths:
0
enter the grade of that economics:
6
enter the grade of that sciences:
7
enter the grade of that english:
0
you PASSED with A
S C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects>

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Ln 26, Col 1 Spaces: 4 UTF-8 CRLF {} Python 3.12.5 64-bit

Lab3: age-group-categorization

```
Python-projects > age-group-categorization.py > ...
1  # Write a program that will prompt the user to enter an interger
2  # Based on the input, cqtegorize the person into one of the following life stages :
3
4  # age = int(input('enter a number between 0 and 150\n'))
5  # Infant = 0 and 1
6  # Toddler = 2 and 3
7  # Child = 4 and 12
8  # Teenager = 13 and 19
9  # Adult = 20 and 64
10 # Senior = 65 and 150
11
12
13 age = int(input('enter a number between 0 and 150\n'))
14
15 if age >= 0 and age <= 1:
16     print('INFANT')
17
18 elif age >= 2 and age <= 3:
19     print('TODDLER')
20
21 elif age >= 4 and age <= 12:
22     print('CHILD')
```

```
Python-projects > age-group-categorization.py > ...
14
15 if age >= 0 and age <= 1:
16     print('INFANT')
17
18 elif age >= 2 and age <= 3:
19     print('TODDLER')
20
21 elif age >= 4 and age <= 12:
22     print('CHILD')
23
24 elif age >= 13 and age <= 19:
25     print('TEENAGER')
26
27 elif age >= 20 and age <= 64:
28     print('ADULT')
29
30 elif age >= 65 and age <= 150:
31     print('SENIOR')
32
33 else:
34     print('INVALID AGE')
35
```

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
enter the grade of that french:
PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> python .\age-group-categoriz
ation.py
enter a number between 0 and 150
1
INFANT
PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> python .\age-group-categoriz
ation.py
enter a number between 0 and 150
65
SENIOR
PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> python .\age-group-categoriz
...
profile:default  Ln 10, Col 22  Spaces: 4  UTF-8  CRLF  ( ) Python  3.12.5 64-bit
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
• ation.py
  enter a number between 0 and 150
  42
  ADULT
• PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> python .\age-group-categoriz
  ation.py
  enter a number between 0 and 150
  22
  ADULT
• PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> python .\age-group-categoriz
  ation.py
  enter a number between 0 and 150
  file:default Ln 10, Col 22 Spaces: 4 UTF-8 CRLF {} Python 3.12.5 64-bit
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
ADULT
• PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> python .\age-group-categoriz
  ation.py
  enter a number between 0 and 150
  22
  ADULT
• PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> python .\age-group-categoriz
  ation.py
  enter a number between 0 and 150
  15
  TEENAGER
• PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> 
  file:default Ln 10, Col 22 Spaces: 4 UTF-8 CRLF {} Python 3.12.5 64-bit
```