**PYTHON LAB:**

# Homework

## Lab-cake 3: age-group-categorization.py

Prompt the user to enter their age as an integer.

Based on the input, categorize the person into one of the following life stages:
**Infant**: 0 - 1 year
**Toddler**: 2 - 3 years
**Child**: 4 - 12 years
**Teenager**: 13 - 19 years
**Adult**: 20 - 64 years
**Senior**: 65 years and older
Display the appropriate life stage.

If the user enters a negative number or a non-realistic number (e.g., more than 150), display an "Invalid age" message.

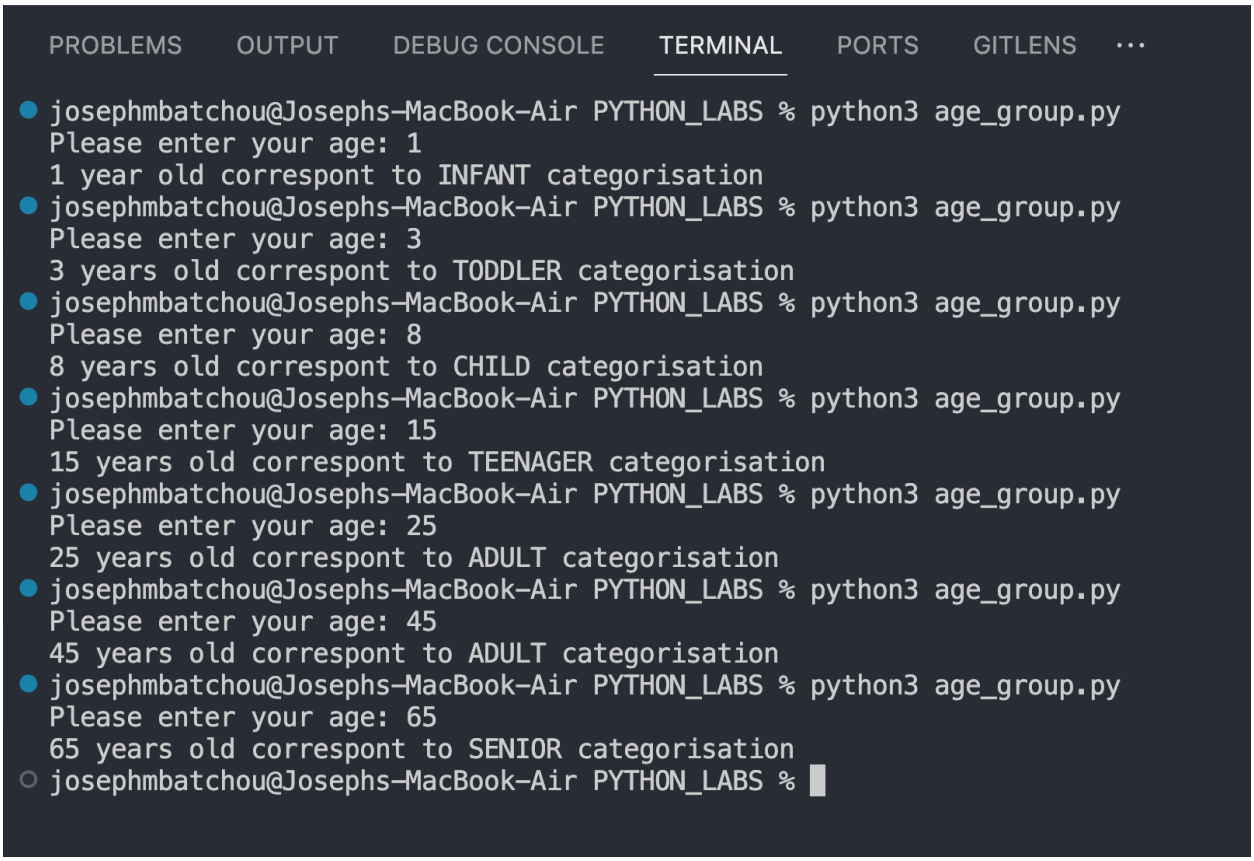
**Display on the screen:** Provide the screenshot and github link.
Submit your homework in your github account as well. Create a folder Python-codes

**SOLUTION:**

PYTHON_LABS > age_group.py > ...

```python
# Prompt the user to enter their age as an integer
age = int(input("Please enter your age: "))
C1 ="Infant"
C2 = "Toddler"
C3 = "Child"
C4= "Teenager"
C5 = "Adult"
C6 = "Senior"
# Categorize the person based on the input age
if age < 0 or age > 150:
    print("You entered an Invalid age")
elif age <= 1:
    print(f"{age} year old correspont to {C1.upper()} categorisation")
elif age <= 3:
    print(f"{age} years old correspont to {C2.upper()} categorisation")
elif age <= 12:
    print(f"{age} years old correspont to {C3.upper()} categorisation")
elif age <= 19:
    print(f"{age} years old correspont to {C4.upper()} categorisation")
elif age <= 64:
    print(f"{age} years old correspont to {C5.upper()} categorisation")
else:
    print(f"{age} years old correspont to {C6.upper()} categorisation")

```


PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
GITLENS
josephmbatchou@Josephs-MacBook-Air PYTHON_LABS % python3 age_group.py
Please enter your age: 1
1 year old correspont to INFANT categorisation
josephmbatchou@Josephs-MacBook-Air PYTHON_LABS % python3 age_group.py
Please enter your age: 3
3 years old correspont to TODDLER categorisation
josephmbatchou@Josephs-MacBook-Air PYTHON_LABS % python3 age_group.py
Please enter your age: 8
8 years old correspont to CHILD categorisation
josephmbatchou@Josephs-MacBook-Air PYTHON_LABS % python3 age_group.py
Please enter your age: 15
15 years old correspont to TEENAGER categorisation
josephmbatchou@Josephs-MacBook-Air PYTHON_LABS % python3 age_group.py
Please enter your age: 25
25 years old correspont to ADULT categorisation
josephmbatchou@Josephs-MacBook-Air PYTHON_LABS % python3 age_group.py
Please enter your age: 45
45 years old correspont to ADULT categorisation
josephmbatchou@Josephs-MacBook-Air PYTHON_LABS % python3 age_group.py
Please enter your age: 65
65 years old correspont to SENIOR categorisation
josephmbatchou@Josephs-MacBook-Air PYTHON_LABS %