

Exercise: Person, version 2

Person
- name : String - age : int - gender : char
+ Person(name : String, age : int, gender : char) + Person(name : String, gender : char) + Person(gender : char) + getName() : String + getAge() : int + getGender() : char + setName(name : String) : void + setAge(age : int) : void + setGender(gender : char) : void + getAgeStatus() : String + toString() : String

Create a new Module in IntelliJ and name it `Person_v2`. Copy the files from the `Person_v1` module.

Modify class `Person`:

- a) Add a method `getAgeStatus` returning a string.
 - If the age is less than 0 return the string: "Error"
 - If the age is between 0 and 12 (12 included) return the string: "Child"
 - If the age is between 12 and 19 (19 included) return the string: "Teenager"
 - If the age is between 19 and 65 (65 included) return the string: "Adult"
 - If the age is larger than 65 return the string: "Senior citizen"

NOTE: Your solution should use if-else-if statements

Implement a new test class `PersonTest` or modify the present such that you do the following:

1. Create a `Person` object with name, age and gender either from keyboard input or hardcoded values (literals)
2. Print out the status using method `getAgeStatus`.
3. Test the program with age = {-1, 0, 1, 11, 12, 13, 18, 19, 20, 64, 65, 66} and see if you get "Error" the first time, "Child" the next 4 times, "Teenager" the next 3 times, "Adult" the next 3 times and "Senior citizen" the last time.