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1  /*
2   // Author: Tyerone Chen
3   // Init Create Date: 4/3/2025
4   // Last Update Date: 4/3/2025
5
6   // Class Desc:
7   // A class to help save the data around a person, such as their name, age, and status
8  */
9  public class Me {
10     // Fields
11     String person_name;
12     int person_age;
13     enum States { NAN, ASLEEP, AWAKE, TIRED, ACTIVE, HUNGRY, HAPPY };
14     States person_state;
15     private static Me instance; // Singleton Instance
16
17     // Default Constructor
18     // Sets default value of person_name, person_age, and person_state
19     private Me(){
20         person_name = "Unknown";
21         person_age = 0;
22         person_state = States.NAN;
23     }
24
25     /*
26     Constructor w/Parameters
27     @param input_name = String that takes in name
28     @param input_age = int that takes in age
29     @param input_state = enum States that take in an inputted state value from the enum States
30     */
31     private Me(String input_name, int input_age, States input_state){
32         this.person_name = input_name;
33         this.person_age = input_age;
34         this.person_state = input_state;
35     }
36
37     /* Get instance
38     @return if no instance exists, create a new one
39     @return a preexisting instance and its values
40     */
41     public static Me getInstance(){
42         if (instance == null){
43             instance = new Me();
44         }
45         return instance;
46     }
47     /* Get instance
48     @return if no instance exists, create a new one with the given parameters
49     @return a preexisting instance and its values
50     */
51     public static Me getInstance(String input_name, int input_age, States input_state){
52         if (instance == null){
53             instance = new Me(input_name, input_age, input_state);
54         }
55         return instance;
56     }
57
58     // Setters
59
60     /* Set person name
61     @param input_name = String that takes in a given String
62     */
63     public void setPersonName(String input_name){
64         this.person_name = input_name;
65     }
66
67     /* Set person age
68     @param input_name = int that takes in a given int

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69  */
70  public void setPersonAge(int input_age){
71      this.person_age = input_age;
72  }
73
74  /* Set person state
75     @param input_name = enum States that takes in a given enum States value
76  */
77  public void setPersonaState(States input_state){
78      this.person_state = input_state;
79  }
80
81  // Getters
82
83  /* Returns person name
84     @return String currently stored at person_name
85  */
86  public String getPersonName(){
87      return person_name;
88  }
89
90  /* Returns person age
91     @return int currently stored at person_age
92  */
93  public int getPersonAge(){
94      return person_age;
95  }
96
97  /* Returns person state
98     @return enum States currently stored at person_state
99  */
100 public States getPersonState(){
101     return person_state;
102 }
103 }
104
```