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The Florida [Department of Children and Families](#) need a new program to track information about families they are dealing with. They have already written the `main` method (which you may not change) and placed it in [UseFamily.java](#). You'll see that for each family they need information about:

- The number of people
- The names and ages of the members
- The total age

Additionally, they need to be able to:

- Add people to a family
- Track age increments by specifying that it's someone's birthday
- Print out the information about the family members

Write two instantiable classes that will allow the `main` method to work:

- A `Person` class that contains:
  - Instance variables to store the name and age of a person
  - A default constructor, and a constructor that takes a name and age to initialize the instance variables.
  - A `toString` method to return a string representation of the person, formatted ala "Fred is 32 years old".
  - A mutator method to increment the age of the person
  - An accessor method to return the name the person
  - An accessor method to return the age the person[UsePerson.java](#) can be used to test your `Person` class.
- A `Family` class that contains:
  - Instance variables to store the information about the people (maximally 10 people per family)
  - A default constructor that initializes the instance variables to a family of 0 people
  - An IO method to display the family
  - A mutator method to add a person to the family (returning `false` if there's no more space in the family)
  - A mutator method that makes the necessary changes for a birthday
  - An accessor method to return the number of people
  - An accessor method to return the total age of the people

Here's what a sample run should look like (with the keyboard input shown in italics) ...

```
Enter name of next person : Fred
How old is that person    : 32
Enter name of next person : Wilma
How old is that person    : 27
Enter name of next person : Pebbles
How old is that person    : 4
Enter name of next person : Barney
How old is that person    : 8
Enter name of next person : STOP
```

There are 4 people in the family, with a total age of 71  
Fred is 32 years old  
Wilma is 27 years old  
Pebbles is 4 years old  
Barney is 8 years old  
Whos birthday is it? : *Wilma*  
There are 4 people in the family, with a total age of 72  
Fred is 32 years old  
Wilma is 28 years old  
Pebbles is 4 years old  
Barney is 8 years old

### You must ...

- Write the Person class (1.0%)
- Write the Family class (2.0%)

### Answer

- [Person.java](#)
  - [Family.java](#)
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