

INST326

## Project Check-in

Team Purple: Farhana Uddin, Mehdi Dinarsakti, Kush Patel, Yang Lu, Chris Esmele

### **Mehdi:**

- I set out to solve compatibility methods
- I made a function to print out and list signs that the input user is compatible with. I did so by looking up compatibility of different zodiac signs on <https://www.rd.com/list/zodiac-signs-compatibility/> and adding conditionals and print statements to the code.
- The code is run from the compatible.py file.
  - The file would require the instance object for the user's sign that is determined from Farhana's code, or the zodiac sign.py file.

### **Farhana:**

- the problem the group member set out to solve
  - My goal is to make a method which asks for the user's birth month and date. That information will be later used to return their zodiac sign. Then it will ask the user if they want to see a message based on their sign.
- a few sentences about the main things you figured out (be concise)
  - I figured out how to convert the birth months and days into zodiac signs.
  - SIDE NOTE: I have NOT figured out how to do the message part yet.
- which file contains your solution and any instructions on how to run the solution

- The file that contains my solution is ZodiacSign.py
- To run the code, you may enter your desired birth month and birth date. For example,

```
print(zodiac_sign("January", 10))
```

### Yang:

- chinese zodiac class
- I realized that creating a dictionary to look up what place the Chinese zodiac animal is at is a good way to store the data. A formula to calculate which animal belongs with which year is needed. This can be found online. Although double-checking the accuracy of the answer with known information will be needed.(found at [https://www.travelchinaguide.com/intro/social\\_customs/zodiac/calculator.htm](https://www.travelchinaguide.com/intro/social_customs/zodiac/calculator.htm))
- which file contains your solution and any instructions on how to run the solution
  - Code is in project\_CN\_zodiac.py
  - To run the code, run in vscode, can change the year variable to fit need, similar format when needed to use in existing code as import.

```
from project_CN_zodiac import *
year=2001
print(chinese_zodiac(year))
print(chinese_zodiac.compatibility(chinese_zodiac(year)))
```

- The output for 2001 would be :
  - Snake
  - Compatibility for Snake is 'Best': 'Dragon, Rooster', 'Worst': 'Tiger, Rabbit, Snake, Sheep, Pig'

**Chris:**

- Birthdate and birth time object attributes
- I realized creating a dictionary with a key based on the name of the user is the best way to organize and iterate the data provided in the txt file.
- My file is christestcode.py and requires a textfile to be used called people.txt both in the repository.
  - To test my code output, place the pathfile of people.txt into the input() method and run the code in visual studio

**Kush:**

- People don't know their birthday's moon phase or if their birthday is a full moon or not.
- After looking for a CSV File that lists all full moons from the years 1900-2050, I figured out the dates and the correlation between them and a full moon.
- My files are moons.py and it will also have the full\_moon.csv associated with it to be read into the code.