Week 4 (Practice)

Exercise 1

Write a Python program to calculate a dog's age in dog's years.
Note: For the first two years, a dog year is equal to 10.5 human years. After that, each dog year equals 4 human years.
Expected Output:

```
Input a dog's age in human years: 15
The dog's age in dog's years is 73
```

Exercise 2

Write a Python program to check whether an alphabet is a vowel or consonant.
Expected Output:

```
Input a letter of the alphabet: k
k is a consonant.
```

Exercise 3

Write a Python program to convert month name to a number of days.
Expected Output:

```
List of months: January, February, March, April, May, June, July, August
, September, October, November, December
Input the name of Month: February
No. of days: 28/29 days
```

Exercise 4

Write a Python program to check a triangle is valid or not.
Expected Output:

```
Input the length of side1: 5
Input the length of side2: 4
Input the length of side3: 6
The triangle is valid.
```

Exercise 5

Write a Python program that reads two integers representing a month and day and prints the season for that month and day.
Expected Output:

```
Input the month (e.g. January, February etc.): july
Input the day: 31
Season is autumn
```

Exercise 6

Write a Python program to display astrological sign for given date of birth.
Expected Output:

```
Input birthday: 15
Input month of birth (e.g. march, july etc): may
Your Astrological sign is : Taurus
```

Exercise 7

Write a Python program to find the median of three values.
Expected Output:

```
Input first number: 15
Input second number: 26
Input third number: 29
The median is 26.0
```