

Due by Friday, February 2 at 11:59 pm

- Submit your `.java` files via Nexus
- Include your name and student number in each file as a comment

Develop an Enum, `Zodiac`, to represent a list of the signs of the Zodiac. In addition to the constant, each sign has three fields: the `friendlyName`, a `String`, `element` also a `String`, and a boolean type `isPositive` which is true if the polarity is positive.

<u>Sign</u>	<u>Element</u>	<u>Polarity</u>
Aries	Fire	Positive
Taurus	Earth	Negative
Gemini	Air	Positive
Cancer	Water	Negative
Leo	Fire	Positive
Virgo	Earth	Negative
Libra	Air	Positive
Scorpio	Water	Negative
Sagittarius	Fire	Positive
Capricorn	Earth	Negative
Aquarius	Air	Positive
Pisces	Water	Negative

Write a program named `ZodiacInformation` that

- Lists each sign of the Zodiac by its polarity
 - Iterate through each Sign to determine its polarity, see the sample output for clarification.
 - Remember the difference between printing `toString()` and printing the `name()` property.
- Prompts the user to enter a sign, then displays the friendly name and associated element.
 - The input should not be case-sensitive.
 - You may use either the `toString()` method or getters to print the name and element.
- Override the `toString()` method of the Enum so that it prints in the following format:

```
Sign: Aries
Element: Fire
```

Sample output:

Positive signs:

ARIES

GEMINI

LEO

LIBRA

SAGITTARIUS

CAPRICORN

AQUARIUS

Negative signs:

TAURUS

CANCER

VIRGO

SCORPIO

PISCES

Enter a sign to see its element:

Libra

Sign: Libra

Element: Air

end of program

Test your program to be sure that it works for any valid input.

Submit your Java files (Zodiac.java, ZodiacInformation.java) via Nexus.