BMI ANALYZER

INPUTS WILL BE IN "POUNDS" FOR "WEIGHT" AND "INCHES" FOR "HEIGHT"

BMI Calculator Project Reference

https://www.nhlbi.nih.gov/health/educational/lose_wt/BMI/bmicalc.htm

CODES:

```python
Weight = int(input("Enter Your Weight in pounds: "))

Height = int(input("Enter Your Height in inches: "))

BMI = (Weight * 703)/(Height*Height)
print("Your BMI is : ",f"{BMI:.2f}")

if BMI<18.5:
    print('You are underweight.')
elif BMI<=24.9:
    print('You are normalweight.')
elif BMI<29.9:
    print('You are overweight.')
elif BMI>=30:
    print('Obesity.')
else:
    print('Enter Valid Inputs.')
```

```
Enter Your Weight in pounds: 170
Enter Your Height in inches: 69
Your BMI is :  25.10
You are overweight.
```

Conversion Factor (703):

- In countries like the United States, weight is often measured in pounds (lbs) and height in inches (in).
- To adapt the BMI formula for these units, a conversion factor is needed to adjust the formula for pounds and inches.
- The factor 703 is applied to convert the resulting BMI value to the scale commonly used for pounds and inches.