Practice Exercise #03: Speed of Sound

http://www.comp.nus.edu.sg/~cs1010/4_misc/practice.html

Reference: Unit 4: Top-down Design and Functions

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Objectives: Writing function, using math function

Task statement:

Write a program **speedOfSound.c** that calculates the speed of sound *s* in air of a given temperature *T* (in degree Fahrenheit). Formula to compute the speed *s* in feet/sec:

$$s = 1086\sqrt{\frac{5T + 297}{247}}$$

All values are of type float.

Your program should contain a function **speed_of_sound()** to compute and return the speed. You are to decide on its parameter(s).

Sample run:

```
Temperature in degree Fahrenheit: 95.8
Speed of sound in air of 95.80 degree = 1924.92 ft/sec
```