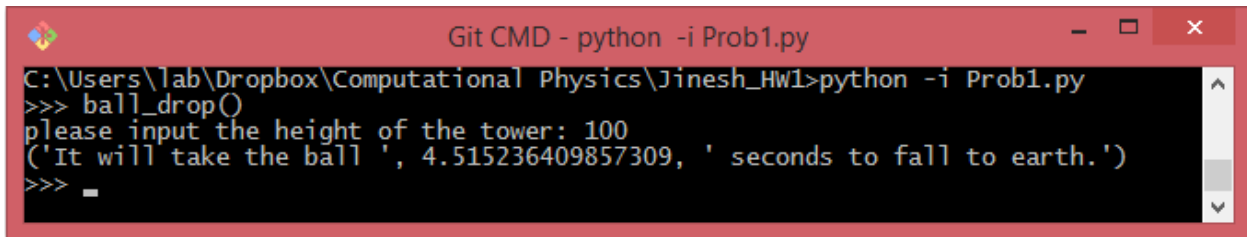1. **A ball dropped from a tower:** A ball is dropped from a tower of height $h$. It has initial velocity zero and accelerates downwards under gravity. Write a program that asks the user to enter the height in meters of the tower and then calculates and prints the time in seconds till the ball hits the ground, ignoring air resistance. Use your program to calculate the time for a ball dropped from a 100 m high tower.

```
Git CMD - python -i Prob1.py                                    -  □   ×
C:\Users\lab\Dropbox\Computational Physics\Jinesh_HW1>python -i Prob1.py
>>> ball_drop()
please input the height of the tower: 100
('It will take the ball ', 4.515236409857309, ' seconds to fall to earth.')
>>>
```

1) Opened file from folder using CMD, and called the function ball_drop().
2) Prompted user for height of tower, which problem specified would be 100 m.
3) Outputted response of about 4.5 seconds to fall to earth.