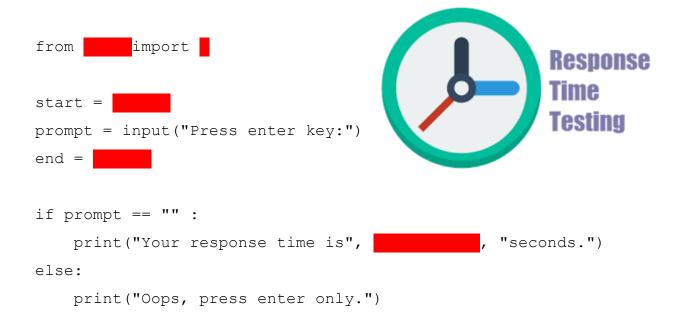
## Homework – Task 1



- What is your response time?
- Design a python program to test your response time
  - As long as you see the message, press enter
  - · Use the time module to record the start time and end time
  - Calculate the time period between the start and end time
  - That is your response time.
  - Hint: in the input() function, if you press enter, then your input string is empty.



## Task 2



- Think about whether you can improve the above code by add a while-loop
  - This while-loop should enable users to play again and again until they want to stop
  - Report the fastest response time among all the trials
- Ms Han's fastest response time is 0.09955120086669922.
  - Can you beat her?

```
from time import *
minResponseTime = 10000
play = input("Wanna play (Y/N)?")
while play == "Y" or play == "y":
    start = time()
    prompt = input("Press enter key:")
    end = time()
    responseTime =
    if prompt == "":
        print("Your response time is", responseTime, "seconds.")
            minResponseTime = responseTime
    else:
        print("Oops, press enter only.")
    play = input("Wanna play again (Y/N)?")
print("Your fastest response time is", minResponseTime)
```

## Task 3



## Guess the time elapsed

- The computer is going to display a message in a random period of time (1-10 seconds)
  - · Time is assumed to be integer only
- The message is chosen by you
- You are supposed to guess the time elapsed
- The program will tell you the actual time and your guess
- You may modify the progressBar() function defined in the class to be delayedOutput()
  - It will take the whole message secs seconds to display.
  - So the time interval between each letter in the message is secs/(len(message) -1)

