**Lab 1**

**Q1:guessing game**

**import** random *#import random function*guessesTaken = 0  
  
print(**"Hello! What is your name? "**) *#Asking for name*myName = input() *#Saves name under myName*number = random.randint(1,20) *#Guessing from 1 - 20*guess = eval(input(**"Enter your guess between 1 and 20"**))  
  
**while** guessesTaken < 6: *#You get 6 guesses with this while loop* print(**"Take a guess"**)  
 guess = input()  
 guess = int(guess)  
  
 guessesTaken = guessesTaken + 1  
  
 **if** guess < number:  
 print(**"Your guess is too low."**) *#If your guess is too low than you get this printed* **if** guess > number:  
 print(**"Your guess is too high!"**) *#If your guess is too high than you get this printed* **if** guess == number:  
 **break  
  
 if** guess == number:  
 guessesTaken = str(guessesTaken) *#If your guess is correct this should be printed* print(**"Good job, "** + myName + **"! You guessed my number in "** + guessesTaken + **" guesses!"**)  
  
 **else**:  
 number = str(number) *#If your guess is not it then this should print it.* print(**"Nope. The number I was thinking was "** + number)

Q2:Lowercase

**def** first\_lower(s): *#To lowercase of the first letter* **if** len(s) == 0:  
 **return** s  
 **else**:  
 **return** s[0].lower() + s[1:] *#returns lowercase letter*print(first\_lower(**"HELLO"**)) *#Prints "hELLO"*