# **Loop Exercises**

# **Q 1: Find smallest item in a list of numbers**

|  |
| --- |
| list1 = []  num = int(input("Enter number of elements in list: "))  for i in range(1, num + 1):      ele= int(input("Enter elements: "))      list1.append(ele)  print("Smallest element is:", min(list1)) |

# **Q 2: Guessing Game revisited**

Write code that generates a random number between 0 and 100, and asks the user to guess what it is

Guess the number: 10  
 Higher!

Guess the number: 3  
 Lower!

Guess the number: 2  
 You got it!

* If the guess is too low, tell the user to guess 'Higher!'
* If the guess is too high, tell the user to guess 'Lower!'
* End the program when the user has found the number

|  |
| --- |
| import random  num =random.randint(0,100)  print(num)  num1 = int(input("Enter the number:"))  if num < num1:  print("Guess is high")  elif num > num1:  print("Guess is Low")  elif num == num1:  print("you got it") |