## import random import math A=int(input("enter the lower bound:")) B=int(input("enter the upper bound:")) random=random.randint(A,B) count=0 while count<math.log(B-A+1,2): count+=1 guess = int(input("enter the guessing no:")) if guess==random: print("user guessed right number in ",count ,"try") break elif guess>random: print("Try Again!you guessed too high ") elif guess<random: print("Try Again!you guessed too small") else: print("Invalid choice")

enter the lower bound:1

enter the upper bound:100

enter the guessing no:54

Try Again!you guessed too small

enter the guessing no:77

Try Again!you guessed too small

enter the guessing no:89

Try Again!you guessed too small

enter the guessing no:90

user guessed right number in 4 try