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from random import randint

def guess():
    rando = randint(0,1000)
    x = rando
    guess = int(input("Guess a number!"))
    y = guess
    HL = input("higher or lower?")
    if HL == "higher":
        if y > x:
            print("You won!")
            leave()
        else:
            print("You lost!")
            leave()
    if HL == "lower":
        if y < x:
            print("You won!")
            leave()
        else:
            print("You lost!")
            leave()

def leave():
    leave = input("Play again? Y or N")
    if leave == "Y":
        replay()
    elif leave == "N":
        print("Here is your score")
        print(a)
```

guess()

Guess a number!