



SNS College of Engineering
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Guess integer in a range

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Algorithm



Step 1: Start

Step 2: Read the random number range(0,100)

Step 3: while guessed==false

Step 4: if(user input > random number)

 Print a bit lower

elseif

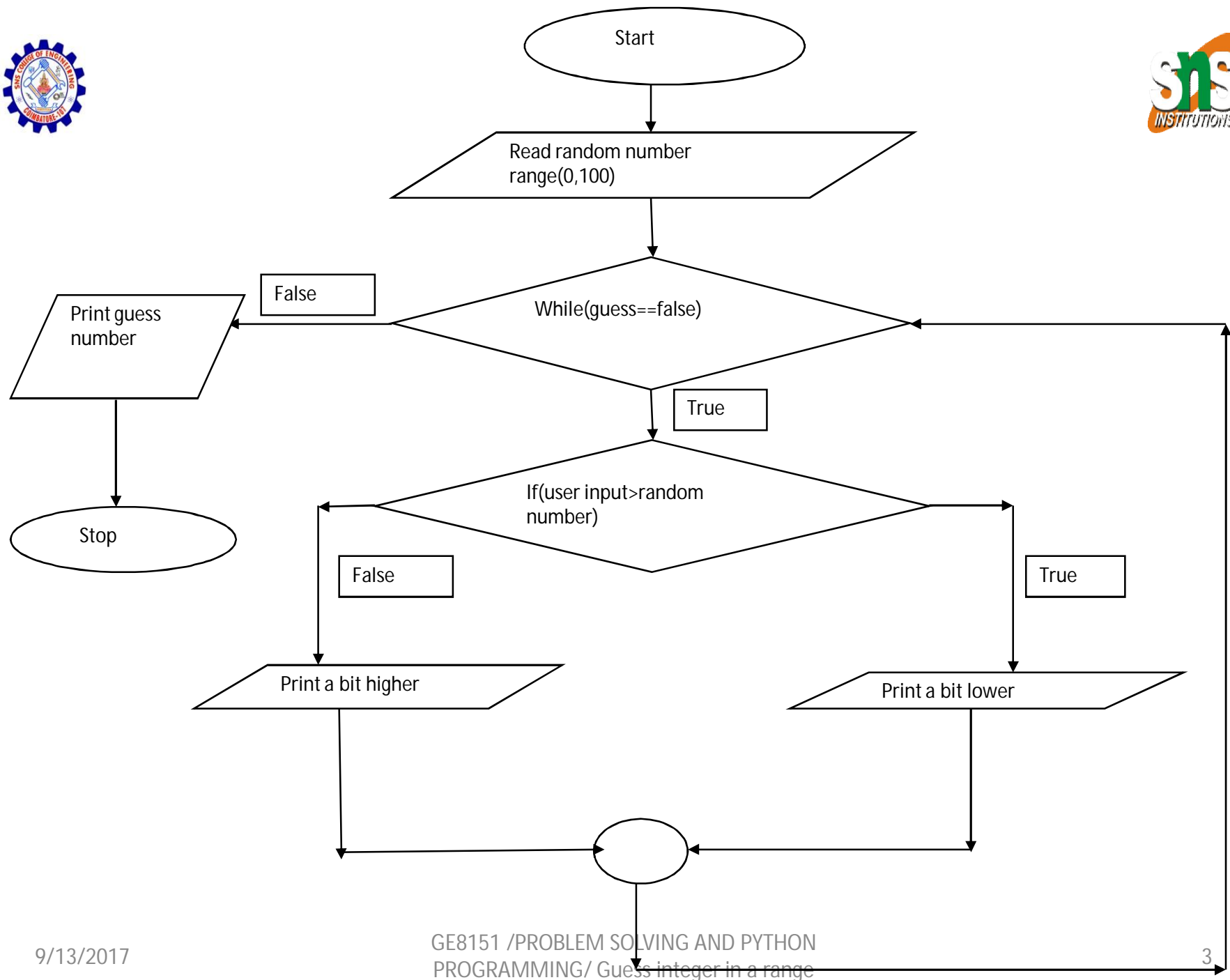
 Print a bit higher

end if

end while

Step 5: print the guess number

Step 6: Stop





Program

```
import random
randomNumber = random.randrange(0,100)
print("Random number has been generated")
guessed = False
while guessed==False:
    userInput = int(input("Your guess pleas: "))
    if userInput==randomNumber:
        guessed = True
        print("Well done!")
    elif userInput>100:
        print("Our guess range is between 0 and 100, please try a bit lower")
    elif userInput<0:
        print("Our guess range is between 0 and 100, please try a bit higher")
    elif userInput>randomNumber:
        print("Try one more time, a bit lower")
    elif userInput < randomNumber:
        print("Try one more time, a bit higher")
print("End of program")
```



m number has been generated

uess pleas: 0

Try one more time, a bit higher

Your guess pleas: 101

Our guess range is between 0 and 100, please try a bit lower

Your guess pleas: -1

Our guess range is between 0 and 100, please try a bit higher

Your guess pleas: 7

Try one more time, a bit higher

Your guess pleas: 89

Try one more time, a bit lower

Your guess pleas: 50

Try one more time, a bit lower

Your guess pleas: 35

Try one more time, a bit lower

Your guess pleas: 20

Try one more time, a bit lower

Your guess pleas: 10

Try one more time, a bit higher

Your guess pleas: 15

Try one more time, a bit lower

Your guess pleas: 12

Try one more time, a bit higher

Your guess pleas: 13

Try one more time, a bit higher

Your guess pleas: 14

Well done!

End of program

Output





Thank you