```
def countStudents():
    #if there is no one behind you
    return countStudentsToLeft()

    #else:
    return countStudents()

def countStudentsToLeft():

    #if there are students to your left:
    return countStudentsToLeft() + 1

    # else if you have to students to your
left:
    return 1

def main():
    print(countStudentsToLeft())

if __name__ == "__main__":
    main()
```

```
from random import randint

def classroom(seats):
    # returns a list which describes the classroom
    # 1 indicates a student and 0 indicates an empty seat

    students = []
    for i in range(seats):
        students.append(randint(0,1))
    return students

def count(students):
    if len(students) == 1:
        return student[0]
    else:
        return student[0] + count(students[1:])

def main():
    students = classroom(150)
    check = sum(students)

    number = count(students)
    print(f"\nThere are {number} students in class today." )
    print(f"That is {int(number*100/137)} percent of the class.")
    print(f"sum(students) == {check}.\n")

if __name__ == "__main__":
    main()
```