

# Mini-project

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## 1 How to run the program

I have done part one and task 2.1 in part 2. When you run the program it asks you which task you want to run.

Task 1,1 is part 1 bouncing ball without gravity.

Task 1,2 is part 1 bouncing ball with gravity.

Task 2,1 is part 2 task 2,1

If you choose to run task 2,1 it will ask you how many ball, the requirement was a minimum of 10 balls and the program can handle it just fine. I have added that if you choose more than 12 balls i the the radius = 3, in order to make the balls fit in the room.

## 2 Which code belongs to which task

The class Ball and Room is for all the tasks, but I have made a function in the ball class which makes the Ball bounce with gravity and one without gravity. The big difference is in the main code, I have added some if statements for the different tasks. I have also added a function that checks if balls collide in the class Miniproject. Check the different if statements which checks the inputted task for deeper understanding.