

# College of Computing and Information Technology



**Lecturer:** Dr. Nahla Belal  
**Course:** Computing Algorithms (CS312)  
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## Programming Assignment (Bin Packing)

Implement the different bin packing strategies:

1. Next fit
2. First fit
3. Best fit
4. First fit decreasing
5. Best fit decreasing

Your program should first ask the user for the number of items, and then accept each item from the user.

Example:

Please enter the number of items: 3

Item 1: 0.3

Item 2: 0.2

Item 3: 0.9

The program should then display the number of bins, and the contents of each bin.

### Grading Policy:

Your program will be tested on different inputs. The grade is a pass/fail grade, if the program runs and displays the correct output, you pass, and otherwise, you fail.

Any identical copies of the programs do not get a grade for the program.