Group #
Name

EOSC 211 – Week11 – Worksheet 3

Exercise 1: a) You have a cash register with $20, $10, $5, $2, $1, $0.25, $0.10, $0.05 and $0.01 bills or coins. Write a program to make change – so that, for example, if someone gives you a $10 bill for something costing $6.55 the program will calculate that you get back $3.45 in change consisting of a $2, and $1, a $0.25, and 2 $0.10

It may be useful to use the `fix()` function, which rounds its (>0) input to the nearest positive integer less than or equal to the input.

Store the denominations in a variable `denom=[20 10 5 2 1 0.25 0.10 0.05 0.01]`, the item cost in `cost`, the money provided in `payment`, and store the change in a vector `change` of the same size as `denom`.

b) Now we remove pennies, so costs are rounded to the nearest 0.05. How can we use the `round()` function to take this into account?