

Your submission includes three python files: `firstname_lastname_Q1.py`, `firstname_lastname_Q2.py`, `firstname_lastname_Q3.py`.

- Q1 Write a function called `cube_not_equal(x,y,z,N)`. This function gets three integers `x`, `y` and `z` representing the dimensions of a cuboid along with an integer `N`. You have to return a set of all possible coordinates given by `(i,j,k)` on a 3D grid where the sum `i+j+k` of is not equal to `N`. Here, $0 \leq i \leq x$, $0 \leq j \leq y$, $0 \leq k \leq z$.
- Q2 An `OrderedDict` is a dictionary that remembers the order of the keys that were inserted first. If a new entry overwrites an existing entry, the original insertion position is left unchanged. You have a list of `N` items together with their prices that consumers bought on a particular day. Your task is to print each `item_name` and `net_price` in order of its first occurrence.
- `item_name` = Name of the item.
`net_price` = Quantity of the item sold multiplied by the price of each item.
- Input: The first line contains the number of items, and the next `N` lines contains the item's name and price, separated by a space.
Output: Print the `item_name` and `net_price` in order of its first occurrence.
- Q3 Write a function called `print_upto_N(N)` which prints all the numbers from 1 through `N` without using any string methods, as the following:
`12...N`
Note that `"..."` represents the values in between.