1) A chocolate factory is packing chocolates into the sachets. The chocolate packets here represent an array of N number of integer values. The task is to find the empty sachets(0) of chocolate and push it to the end of the conveyor belt.

Example 1 :

N=7 and arr = [4,5,0,1.9,0,5,0].

There are 3 empty packets in the given set. These 3 empty packets represented as O should be pushed towards the end of the array

Input :

7 – Value of N

[4,5,0,1,0,0,5] – Element of arr[O] to arr[N-1],While input each element is separated by newline

Output:

4 5 1 5 0 0 0

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2) Find the given number is even or odd without using arthametic operator.

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3) Write a program to reverse a given number with excluding odd numbers.

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4) Write a program to create a secured auto-password out of the given person details. (Ex: First two letters from name, last three numbers of their phone number,middle letters in mail,reverse of first three letters).

Input:

name: Avinash

Contact Number: 9701923501

mail= avinash12@gmail.com

Address: Vijayawada

Output:

Av401najiV

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5) Write a program to print all the amstrong numbers provided range given by the user.

6) After flipping a coin 10 times you got this result,

result = ["heads","tails","tails","heads","tails","heads","heads","tails","tails","tails"]

Using for loop figure out how many times you got heads

7) Print square of all numbers between 1 to 10 except even numbers

8) Your monthly expense list (from Jan to May) looks like this,

expense\_list = [2340, 2500, 2100, 3100, 2980]

Write a program that asks you to enter an expense amount and program should tell you in which month that expense occurred. If expense is not found then it should print that as well.

9) Lets say you are running a 5 km race. Write a program that,

Upon completing each 1 km asks you "are you tired?"

If you reply "yes" then it should break and print "you didn't finish the race"

If you reply "no" then it should continue and ask "are you tired" on every km

If you finish all 5 km then it should print congratulations message

10) Write a program that prints following shape

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