

Challenge-1:

Write a python program which will find all such numbers which are divisible by 7 but are not a multiple of 5 between 2000 and 3200 (both included). The numbers obtained should be printed in a comma-separated sequence on a single line.

```
l=[]
for i in range (2000,3201)
    if (i%7==0) and (i%5!=0):
        l.append(str(i))
print(','.join(l))
```

Challenge-2:

Write a python program that accepts sequence of lines as input and prints the lines after making all characters in the sentence capitalized.

Suppose the following input is supplied to the program:

Hello world

Practice makes perfect

Then, the output should be:

HELLO WORLD

PRACTICE MAKES PERFECT

```
lines = []
while True:
    l = input()
    if l:
        lines.append(l.upper())
    else:
        break;
for l in lines:
    print(l)
```

Challenge-3:

Write a python program that accepts a sentence and calculate the number of upper case letters and lower case letters.

Suppose the following input is supplied to the program:

Hello world!

Then, the output should be:

UPPER CASE 1

LOWER CASE 9

```
Phrase =input("Type in: ")  
phrase = list(phrase)
```

```
u, l = 0, 0  
for i in phrase:  
    if i.isupper():  
        u = u + 1  
    if i.islower():  
        l = l + 1  
    else:  
        pass
```

```
print("UPPER:", u)  
print("lower:", l)
```