# ASSIGNMENT -1
## PYTHON PROGRAMMING

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| **PROJECT DOMAIN** | INTERNET OF THINGS |
| **PROJECT TITLE** | IoT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE |
| **DATE** | 19 SEPTEMBER 2022 |
| **MAXIMUM MARKS** | 2 MARKS |

**QUESTION-1:**

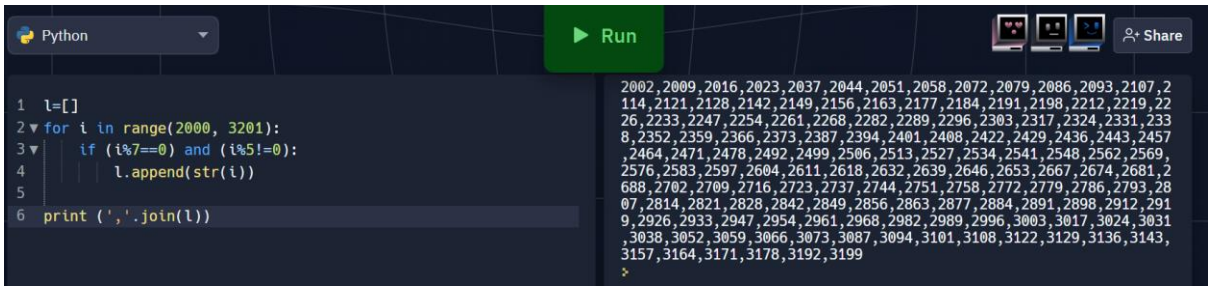
Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 2000 and 3200 (both included). The numbers obtained should be printed in a comma-separated sequence on a single line.

**SOLUTION:**

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

print (','.join(l))
#-------------------------------------#
#-------------------------------------#
```

**OUTPUT:**



**QUESTION-2:**

With a given integral number n, write a program to generate a dictionary that contains (i, i*i) such that is an integral number between 1 and n (both included). and then the program should print the dictionary.

Suppose the following input is supplied to the program:
8

Then, the output should be:
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}

**SOLUTION:**

```
n=int(input())
d=dict()
for i in range(1,n+1):
    d[i]=i*i

print d
#---------------------------------------#
#---------------------------------------#
```

**OUTPUT:**