1. Introduction

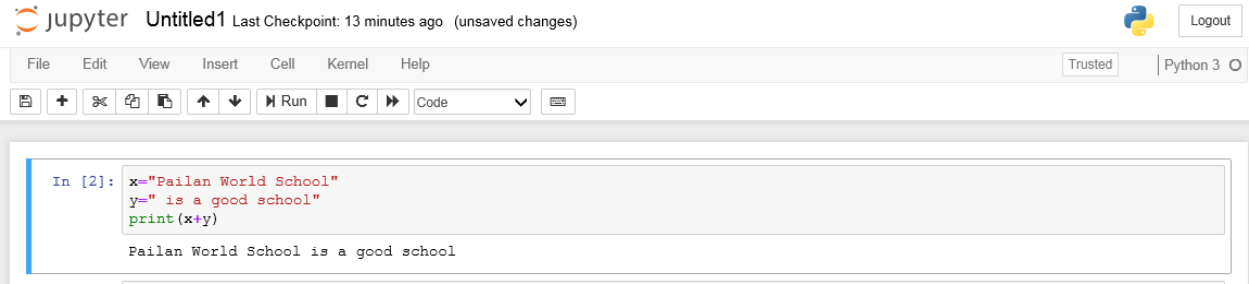
This assignment will help you to consolidate the concepts learnt in the session.

2. Problem Statement

1. Install Jupyter notebook and run the first program and share the screenshot of the output.

Source Code:

```
x="Pailan World School"
y=" is a good school"
print(x+y)
```

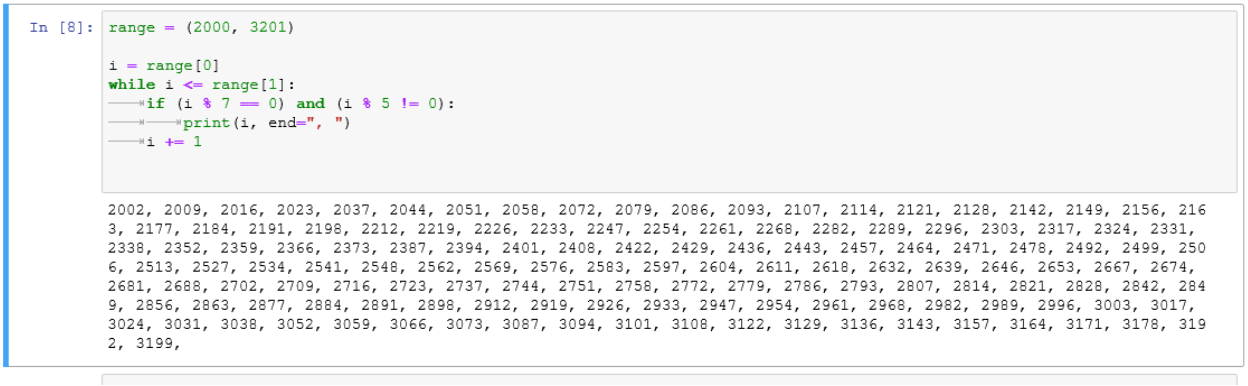


2. Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 2000 and 3200 (both included). The numbers obtained should be printed in a comma-separated sequence on a single line.

Source Code:

```
range = (2000, 3201)

i = range[0]
while i <= range[1]:
        if (i % 7 == 0) and (i % 5 != 0):
                print(i, end=", ")
        i += 1
```



3. Write a Python program to accept the user's first and last name and then getting them printed in the reverse order with a space between first name and last name.
Source Code:

```
first_name = input("What is your first name?:")
last_name = input("What's your last name?: ")
fn = first_name[::-1]
ln = last_name[::-1]
print (fn,"",ln)
```

```
In [19]: first_name = input("What is your first name?:")
         last_name = input("What's your last name?: ")
         fn = first_name[::-1]
         ln = last_name[::-1]
         print (fn,"",ln)

         What is your first name?:Amir
         What's your last name?: Ahmedi
         rimA  idemhA
```

4. Write a Python program to find the volume of a sphere with diameter 12 cm.
Formula: $V=4/3 * \pi * r^3$

Source Code:

```
pi = 3.1415926535897931
D= 12.0
r= 6.0
V= 4.0/3.0*pi* r**3
print('The volume of the sphere is: ',V)
```

```
In [20]: pi = 3.1415926535897931
         D= 12.0
         r= 6.0
         V= 4.0/3.0*pi* r**3
         print('The volume of the sphere is: ',V)

         The volume of the sphere is:  904.7786842338603
```

NOTE: The solution shared through Github should contain the source code used and the screenshot of the output.

3. Output

N/A