

▼ Assignment 1

Python Basics

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.

```
1 ans1 = [n for n in range(2000,3201) if (n%5!=0) and (n%7==0)]
2 #print(ans1)
3 print(','.join(map(str, ans1)))
```

➤ 2002,2009,2016,2023,2037,2044,2051,2058,2072,2079,2086,2093,2107,2114,2121,2128,2142,2149,2156,2163,2177,2184,219

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

```
1 firstName = input("First Name: ")
2 lastName = input("Last Name: ")
3
4 #confused by the question
5 print(f"{lastName} {firstName}")
6 print(f"{firstName[::-1]} {lastName[::-1]}")
```

```
First Name: Aakash
Last Name: Singh
Singh Aakash
hsakaA hgniS
```

3. Write a Python program to find the volume of a sphere with diameter 12 cm.

```
1 import math
2 diameter = 12
3 r = diameter/2
4 vol = (4/3)*math.pi*pow(r,3)
5 print(f"Volume of Sphere with diameter {diameter} cm = {round(vol,3)} cm\u00b3")
```

```
Volume of Sphere with diameter 12 cm = 904.779 cm³
```

✓ 0s completed at 19:16

