

## 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. [LINK](#)

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.

```
n1 = []
```

```
for x in range(2000, 3200):
```

```
    if (x%7==0) and (x%5!=0):
```

```
        n1.append(str(x))
```

```
print(','.join(n1))
```

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.

```
firstname = input("Enter the firstname: ")
```

```
lastname = input("Enter the lastname: ")
```

```
print(lastname + " " + firstname)
```

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

cm. Formula:  $V = \frac{4}{3} * \pi * r^3$

```
pi = 3.14
```

```
r = 12
```

```
V = 4/3*pi*r**3
```

```
print("Diameter is:", V)
```

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

### 3. Output

1.

```
n1 = []
for x in range(2000, 3200):
    if (x%7==0) and (x%5!=0):
        n1.append(str(x))

print(','.join(n1))
```

2002,2009,2016,2023,2037,2044,2051,2058,2072,2079,2086,2093,2107,2114,2121,2128,2142,2149,2156,2163,2177,2184,2191,2198,2212,2219,2226,2233,2247,2254,2261,2268,2282,2289,2296,2303,2317,2324,2331,2338,2352,2359,2366,2373,2387,2394,2401,2408,2422,2429,2436,2443,2457,2464,2471,2478,2492,2499,2506,2513,2527,2534,2541,2548,2562,2569,2576,2583,2597,2604,2611,2618,2632,2639,2646,2653,2667,2674,2681,2688,2702,2709,2716,2723,2737,2744,2751,2758,2772,2779,2786,2793,2807,2814,2821,2828,2842,2849,2856,2863,2877,2884,2891,2898,2912,2919,2926,2933,2947,2954,2961,2968,2982,2989,2996,3003,3017,3024,3031,3038,3052,3059,3066,3073,3087,3094,3101,3108,3122,3129,3136,3143,3157,3164,3171,3178,3192,3199

2.

```
firstname = input("Enter the firstname: ")
lastname = input("Enter the lastname: ")
print(lastname + " " + firstname)
```

Enter the firstname: Nupur  
Enter the lastname: Chakraborty  
Chakraborty Nupur

3.

```
pi = 3.14
r = 12
V = 4/3*pi*r**3
print("Diameter is:", V)
```

Diameter is: 7234.5599999999995

This assignment consists of 200 marks and the solution file needs to be submitted in the upcoming session in .ipynb format for evaluation.