

Python Assignment 1

Task 1

In [61]: `print("Hello Python")`

Hello Python

In [62]: `for i in range(2000, 3200):
 if i % 7 == 0:
 if i % 5 != 0:
 print(i, sep='', end=',')`

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,

In [63]: `firstName = input()
lastName = input()
print(firstName[::-1] + " " + lastName[::-1])`

Adithyan
Mahendran
nayhtidA nardnehaM

In [64]: `diameter = 12
radius = diameter / 2
volume = (4/3)*(22/7)*(radius*radius)
print("Volume of the sphere is {}".format(volume))`

Volume of the sphere is 150.85714285714283

Task 2

In [65]: `values = input()
result = values.split(",")
print(result)`

manga, banana, Apple, Orange
['manga', ' banana', ' Apple', ' Orange']

In [66]: `for i in range(1,6):
 for j in range(1,6):
 if(j <= i):
 print("*", end=" ")
 else:
 break
 print("\n")

for i in range(4,0,-1):
 for j in range(1,5):
 if(j <= i):
 print("*", end=" ")
 else:
 break
 print("\n")`

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*

```

In [67]: `value = input()
print(value[::-1])`

MadaM
MadaM

In [68]: `str = "WE, THE PEOPLE OF INDIA,\n\t having solemnly resolved to constitute India into a SOVEREIGN, \n\t\tSOCIALIST, SECULAR, DEMOCRATIC REPUBLIC"`

←

In [69]: `str = str.replace(" ", "\n")`

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In [9]: print(scr)
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```
WE, THE PEOPLE OF INDIA,  
    having solemnly resolved to constitute India into a SOVEREIGN,  
    SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC  
    and to secure to all its citizens
```

```
In [ ]:
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