

localhost:8888/notebooks/Desktop/Training/July14-Batch/practice/Untitled1.ipynb?kernel_name=python3

Apps Next Gen Documents 8070 Defects Cisco Configuration IT Stock themes Kevin Koster Dr ALLEN BABY PHD Vivek Gautam Utsav Shrivastava Harmony/Python Data Science GIT Privacy error

jupyter Untitled1 Last Checkpoint: a minute ago (unsaved changes)

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In [1]:

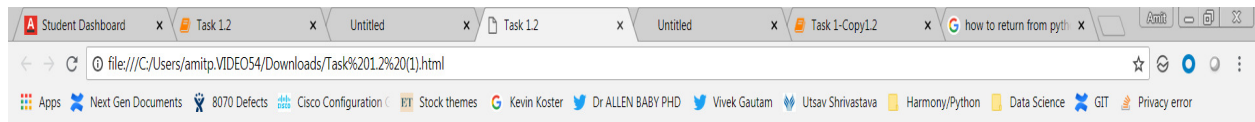
```
def my_print():  
    print("Welcome To Python 3")
```

In [2]:

```
my_print()
```


Welcome To Python 3

In []:



```
In [8]: ''' Task 1: Program 2 '''
my_list = []
for i in range (2000, 3000, 1):
    if (i%5 != 0) and (i%7 ==0):
        my_list.append(i)
print(my_list)

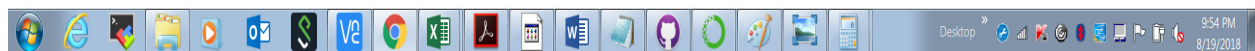
[2002, 2009, 2016, 2023, 2037, 2044, 2051, 2058, 2072, 2079, 2086, 2093, 2107, 2114, 2121, 2128, 2142, 2149, 2156, 2163, 2177,
2184, 2191, 2198, 2212, 2219, 2226, 2233, 2247, 2254, 2261, 2268, 2282, 2289, 2296, 2303, 2317, 2324, 2331, 2338, 2352, 2359, 2
366, 2373, 2387, 2394, 2401, 2408, 2422, 2429, 2436, 2443, 2457, 2464, 2471, 2478, 2492, 2499, 2506, 2513, 2527, 2534, 2541, 25
48, 2562, 2569, 2576, 2583, 2597, 2604, 2611, 2618, 2632, 2639, 2646, 2653, 2667, 2674, 2681, 2688, 2702, 2709, 2716, 2723, 273
7, 2744, 2751, 2758, 2772, 2779, 2786, 2793, 2807, 2814, 2821, 2828, 2842, 2849, 2856, 2863, 2877, 2884, 2891, 2898, 2912, 291
9, 2926, 2933, 2947, 2954, 2961, 2968, 2982, 2989, 2996]
```

```
In [13]: ''' Task 1: Program 3 '''
first_name = input("Enter first Name: ")
last_name = input("Enter Last name")
print(last_name+" "+first_name)

Enter first Name: Amit
Enter Last name:Paul
Paul Amit
```

```
In [18]: ''' Task 1: Program 4 '''
import math
def find_vol(r):
    vol = (4/3)*math.pi*(r**2)
    print("volume is ", vol)
find_vol(10)

volume is 418.87902047863906
```



```
In [23]: ''' Task 2: Program 1 '''

commalist = input("Enter comma separated numbers:")
mylist1 = numlist.split(",")
mylist2 = []

len1 = len(my_list)
print("Entered list is ", commalist)

for i in range(len1):
    mylist2.append(int(mylist1[i]))

print(mylist2)
```

```
Enter comma separated numbers:1,2,3,4,5
Entered list is  1,2,3,4,5
[1, 2, 3, 4, 5]
```

```
In [33]: ''' Task 2: Program 2 '''

for i in range(1):
    for j in range(5):
        print("*"*j)
    for j in range(5,0,-1):
        print("*"*j)
```

```
*
**
***
****
*****
*****
****
***
**
*
```

```
In [37]: ''' Task 2: Program 3 '''

my_word = input("Enter the word")
print(my_word[::-1])
```

```
Enter the wordAcadGild
dliGdacA
```

```
In [78]: ''' Task 2: Program 4 '''

my_word = input("Enter the word")
mylist = my_word.split(",")
newlist = mylist[5].split("and")
print("##### Output #####")
print(mylist[0]+","+mylist[1])
print("      "+mylist[2]+",!")
print("      "*2+mylist[3]+","+mylist[4]+","+newlist[0])
print("      "*2+" and"+newlist[1])
```

```
Enter the wordWE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a SOVEREIGN, SOCIALIST, SECULAR, DEMOC
RATIC REPUBLIC and to secure to all its citizens
##### Output #####
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
```