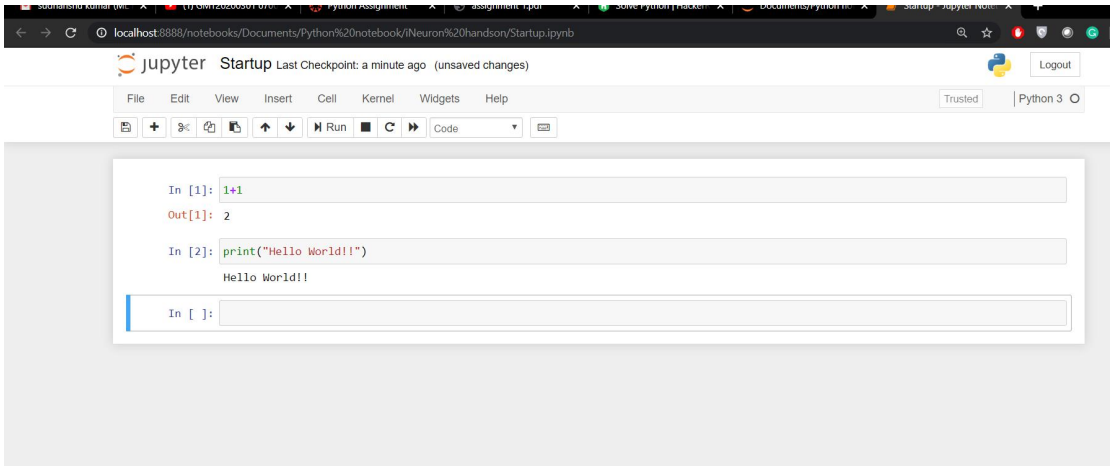
Task 1.1:



Screenshot of jupyter notebooks after successful installation

Task 1.2:

```
In [4]: for i in range(2000,3201):
            if i%7==0 and i%5!=0:
                print(i,end=',')
```

```
2002,2009,2016,2023,2037,2044,2051,2058,2072,2079,2086,2093,2107,2114,2121,2128,2142,2149,2156,2163,2177,2184,2191,2198,2212,22
19,2226,2233,2247,2254,2261,2268,2282,2289,2296,2303,2317,2324,2331,2338,2352,2359,2366,2373,2387,2394,2401,2408,2422,2429,243
6,2443,2457,2464,2471,2478,2492,2499,2506,2513,2527,2534,2541,2548,2562,2569,2576,2583,2597,2604,2611,2618,2632,2639,2646,2653,
2667,2674,2681,2688,2702,2709,2716,2723,2737,2744,2751,2758,2772,2779,2786,2793,2807,2814,2821,2828,2842,2849,2856,2863,2877,28
84,2891,2898,2912,2919,2926,2933,2947,2954,2961,2968,2982,2989,2996,3003,3017,3024,3031,3038,3052,3059,3066,3073,3087,3094,310
1,3108,3122,3129,3136,3143,3157,3164,3171,3178,3192,3199,
```

Task 1.3:

```
In [8]: #task 1.3
```

```
In [9]: fname=input("Enter the first name:")
        lname=input("Enter the last name:")
        print(fname[::-1]+" "+lname[::-1])
```

```
Enter the first name:Rahesh
Enter the last name:Ravi
hsehaR ivaR
```

Task 1.4

```
In [10]: #task 1.4
```

```
In [15]: import math
         d=int(input("Enter the diameter of the circle in cms:"))
         v=(4/3)*math.pi*(d/2)**3
         print("Volume of the circle is:{}Cubic cms".format(round(v,2)))
```

```
Enter the diameter of the circle in cms:4
Volume of the circle is:33.51Cubic cms
```

Task 2.1

```
In [16]: #task 2.1

In [19]: lst=list(map(int,input("Enter the numbers: ").split(',')))
         Enter the numbers: 4,3,5,3,2,5,2,1,5,32,10,23

In [20]: lst
Out[20]: [4, 3, 5, 3, 2, 5, 2, 1, 5, 32, 10, 23]
```

Task 2.2

```
In [21]: #task 2.2

In [56]: rev=[]
         for i in range(1,6):
                 for j in range(1,6):
                     if i==j:
                         s='*'*i
                         print(s)
                         rev.append(s)
         revpat=rev[::-1]
         print(*revpat[1:],sep="\n")
         *
         **
         ***
         ****
         *****
         ****
         ***
         **
         *
```

Task 2.3

```
In [1]: #task 2.3

In [2]: word=input("Enter the word to reverse:")
        Enter the word to reverse:AcadGild

In [3]: word[::-1]
Out[3]: 'dliGdacA'
```

Task 2.4

In [1]:
```
#task 2.4
```

In [7]:
```
print("WE, THE PEOPLE OF INDIA, \n\thaving solemnly resolved to constitute India into a SOVEREIGN,!\n\t\tSOCIALIST, SECULAR, DEM
```

```
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
```