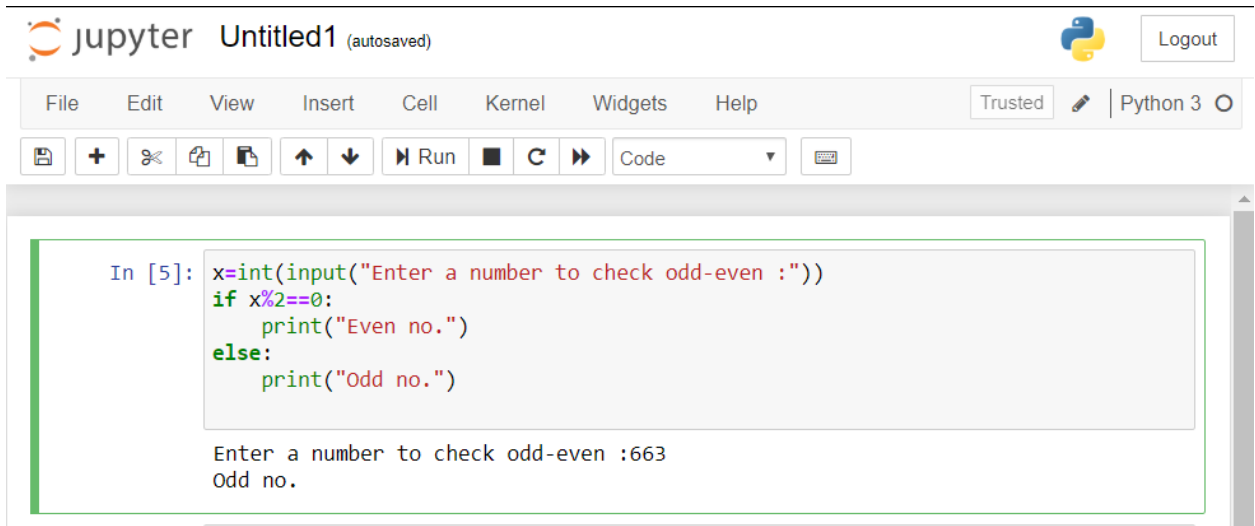


Submitted By: Aarju Tripathi

Task 1

1.



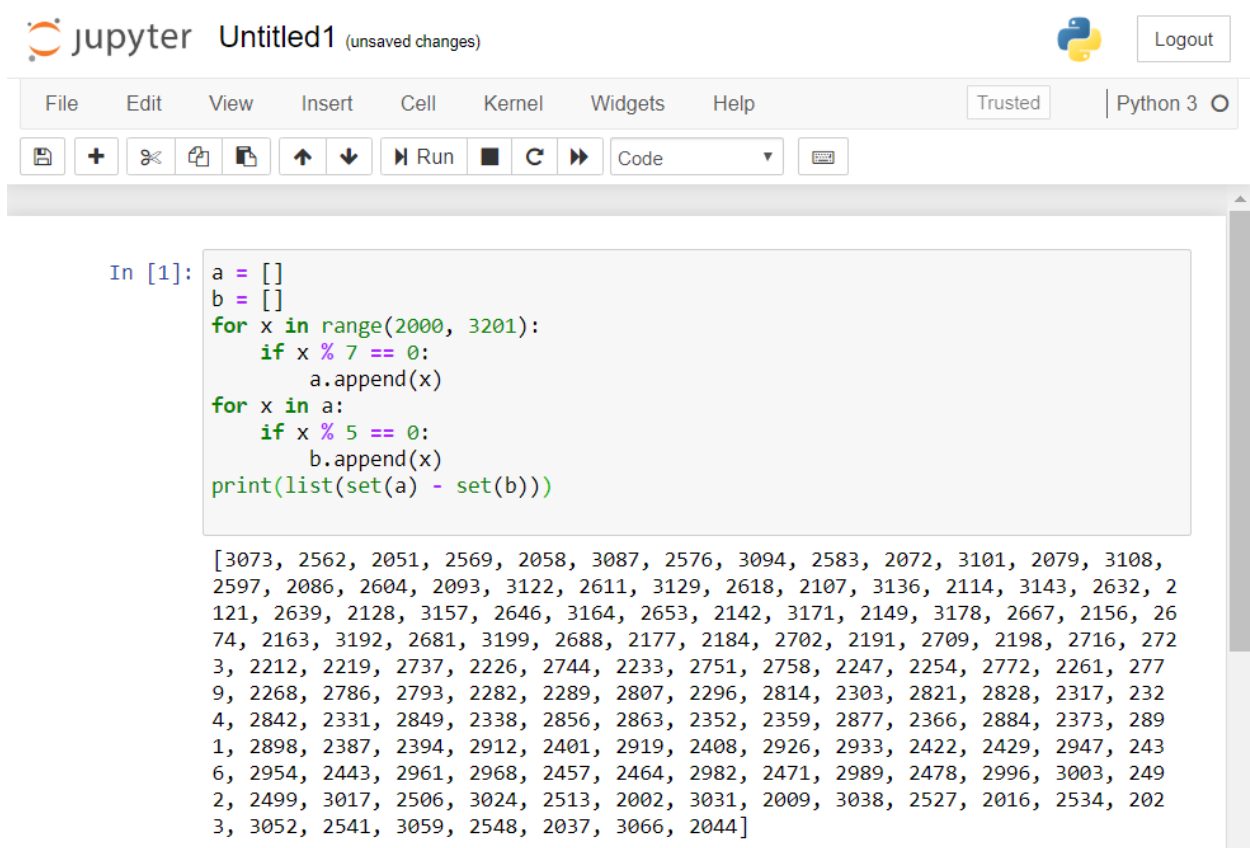
Jupyter Notebook interface showing a code cell with the following code:

```
In [5]: x=int(input("Enter a number to check odd-even :"))
        if x%2==0:
            print("Even no.")
        else:
            print("Odd no.")
```

The output of the code is:

```
Enter a number to check odd-even :663
Odd no.
```

2.



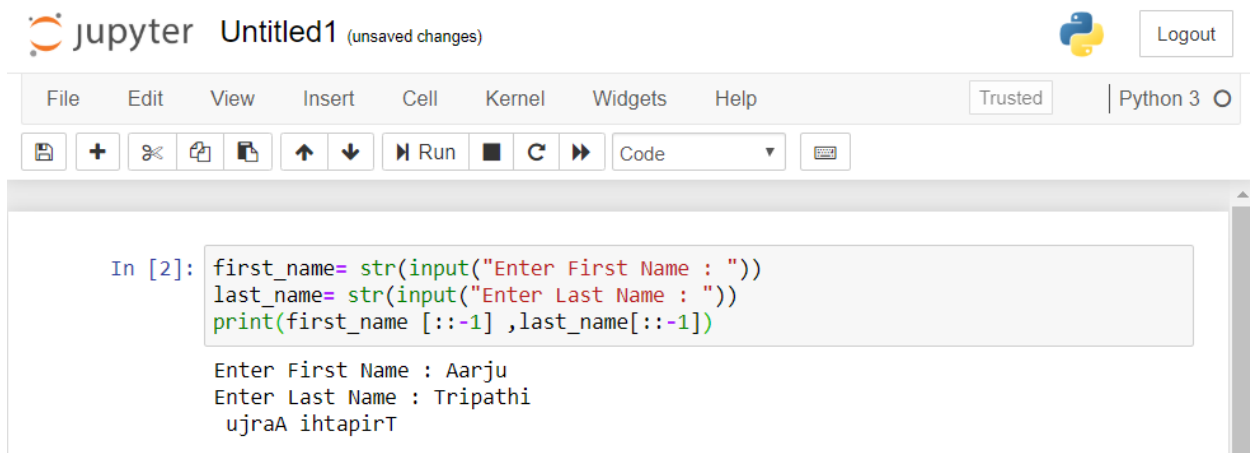
Jupyter Notebook interface showing a code cell with the following code:

```
In [1]: a = []
        b = []
        for x in range(2000, 3201):
            if x % 7 == 0:
                a.append(x)
        for x in a:
            if x % 5 == 0:
                b.append(x)
        print(list(set(a) - set(b)))
```

The output of the code is:

```
[3073, 2562, 2051, 2569, 2058, 3087, 2576, 3094, 2583, 2072, 3101, 2079, 3108,
2597, 2086, 2604, 2093, 3122, 2611, 3129, 2618, 2107, 3136, 2114, 3143, 2632, 2
121, 2639, 2128, 3157, 2646, 3164, 2653, 2142, 3171, 2149, 3178, 2667, 2156, 26
74, 2163, 3192, 2681, 3199, 2688, 2177, 2184, 2702, 2191, 2709, 2198, 2716, 272
3, 2212, 2219, 2737, 2226, 2744, 2233, 2751, 2758, 2247, 2254, 2772, 2261, 277
9, 2268, 2786, 2793, 2282, 2289, 2807, 2296, 2814, 2303, 2821, 2828, 2317, 232
4, 2842, 2331, 2849, 2338, 2856, 2863, 2352, 2359, 2877, 2366, 2884, 2373, 289
1, 2898, 2387, 2394, 2912, 2401, 2919, 2408, 2926, 2933, 2422, 2429, 2947, 243
6, 2954, 2443, 2961, 2968, 2457, 2464, 2982, 2471, 2989, 2478, 2996, 3003, 249
2, 2499, 3017, 2506, 3024, 2513, 2002, 3031, 2009, 3038, 2527, 2016, 2534, 202
3, 3052, 2541, 3059, 2548, 2037, 3066, 2044]
```

3.



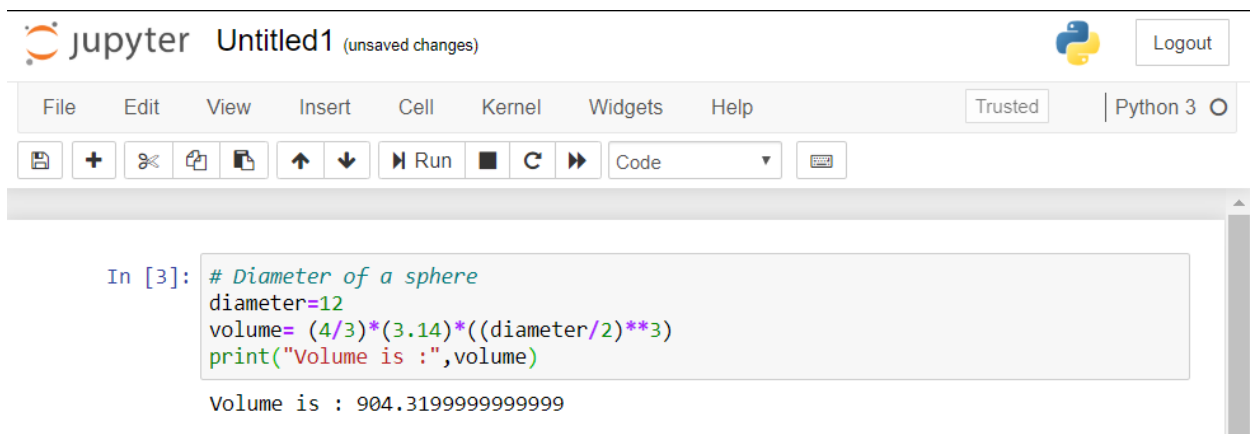
The Jupyter Notebook interface shows a code cell with the following code:

```
In [2]: first_name= str(input("Enter First Name : "))
last_name= str(input("Enter Last Name : "))
print(first_name[::-1] ,last_name[::-1])
```

The output of the code is:

```
Enter First Name : Aarju
Enter Last Name : Tripathi
ujraA ihtapirT
```

4.



The Jupyter Notebook interface shows a code cell with the following code:

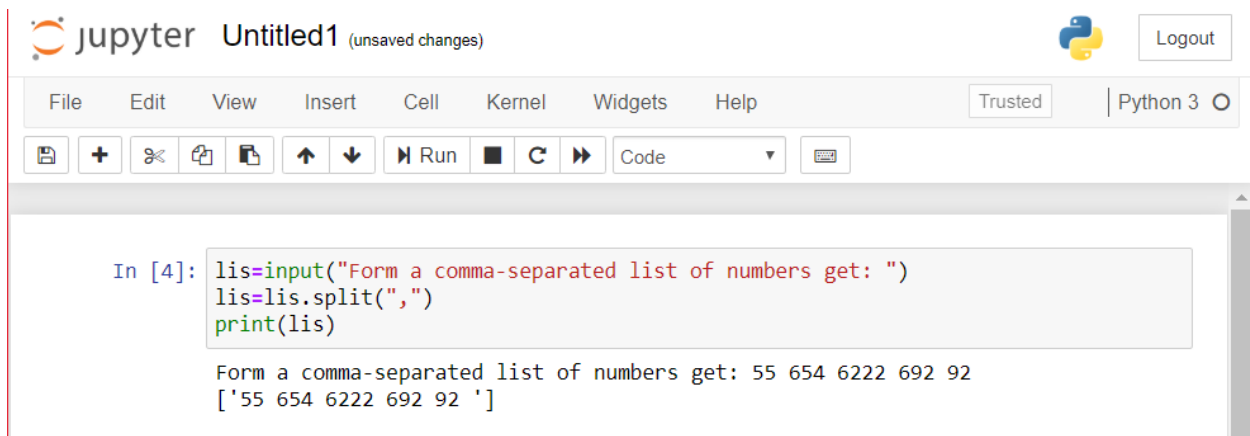
```
In [3]: # Diameter of a sphere
diameter=12
volume= (4/3)*(3.14)*((diameter/2)**3)
print("Volume is :",volume)
```

The output of the code is:

```
Volume is : 904.3199999999999
```

Task 2

1.



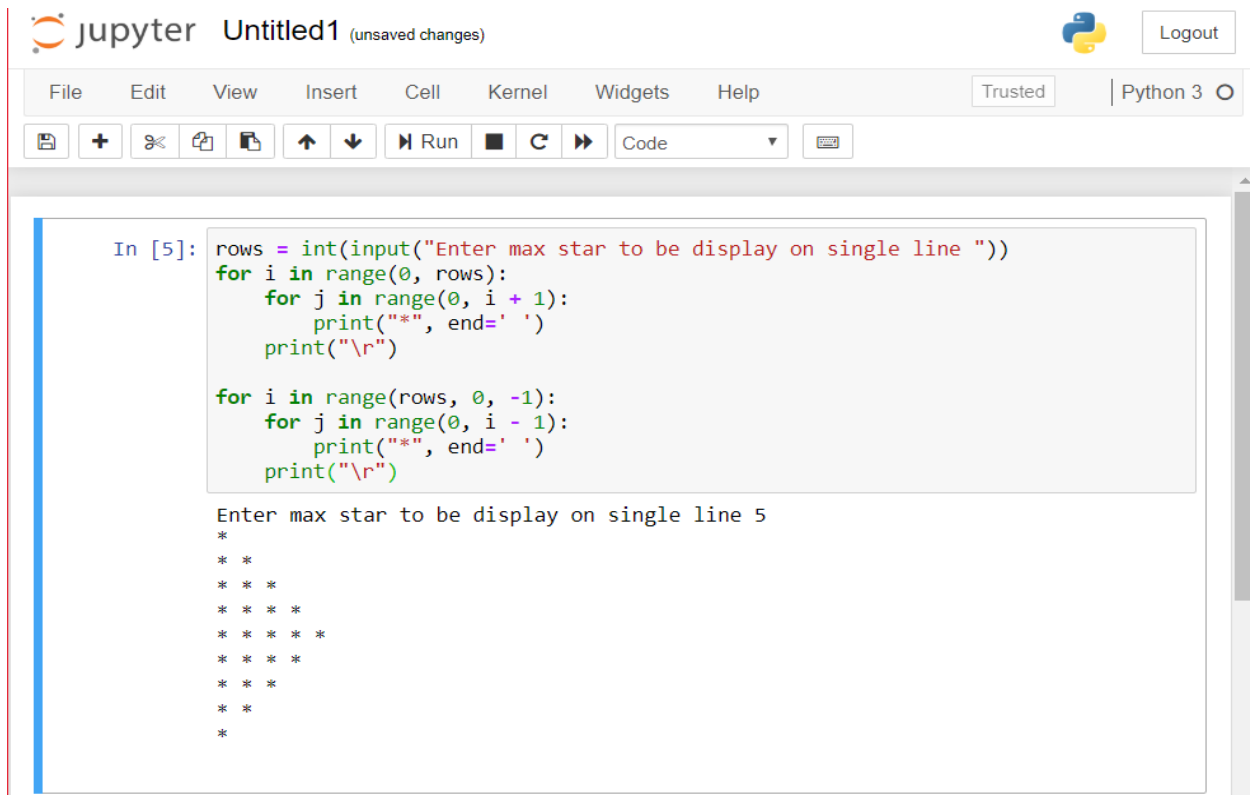
The Jupyter Notebook interface shows a code cell with the following code:

```
In [4]: lis=input("Form a comma-separated list of numbers get: ")
lis=lis.split(",")
print(lis)
```

The output of the code is:

```
Form a comma-separated list of numbers get: 55 654 6222 692 92
['55 654 6222 692 92 ']
```

2.



The Jupyter Notebook interface shows a code cell with the following Python code:

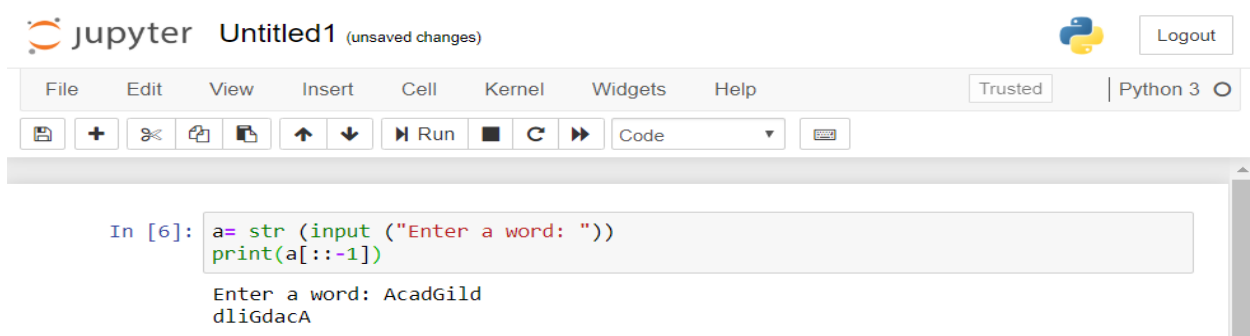
```
In [5]: rows = int(input("Enter max star to be display on single line "))
for i in range(0, rows):
    for j in range(0, i + 1):
        print("*", end=' ')
    print("\r")

for i in range(rows, 0, -1):
    for j in range(0, i - 1):
        print("*", end=' ')
    print("\r")
```

The output of the code is a star pattern:

```
Enter max star to be display on single line 5
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
```

3.



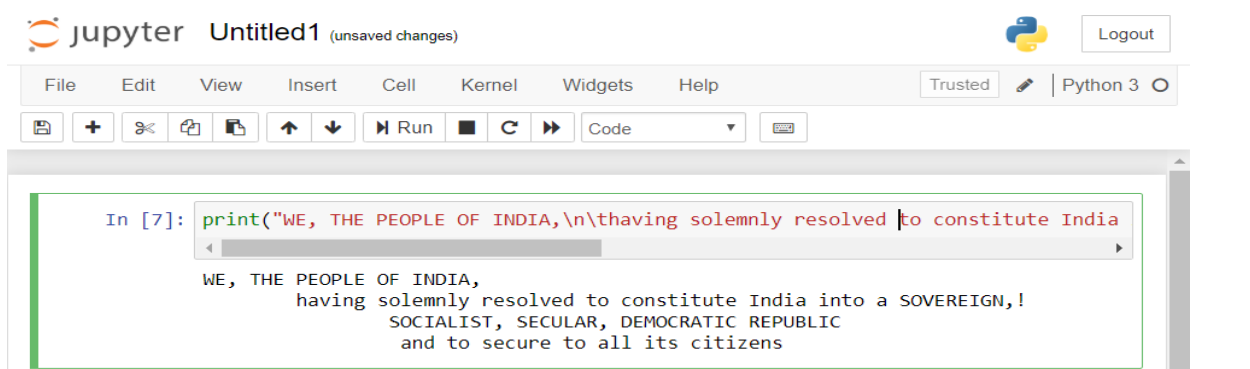
The Jupyter Notebook interface shows a code cell with the following Python code:

```
In [6]: a = str(input("Enter a word: "))
print(a[::-1])
```

The output of the code is:

```
Enter a word: AcadGild
dliGdacA
```

4.



The Jupyter Notebook interface shows a code cell with the following Python code:

```
In [7]: print("WE, THE PEOPLE OF INDIA,\n\thaving solemnly resolved to constitute India
```

The output of the code is:

```
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
```