

# Task 1

## First Question

```
In [26]: 1+1
```

```
Out[26]: 2
```

## Second Question

```
In [96]: a = []
```

```
In [104]: a.clear()
for i in range(1999,3201):
    if i % 7 == 0 and i % 5 == 0:
        a.append(str(i))
print(','.join(a))
```

```
2030,2065,2100,2135,2170,2205,2240,2275,2310,2345,2380,2415,2450,2485,2520,255
5,2590,2625,2660,2695,2730,2765,2800,2835,2870,2905,2940,2975,3010,3045,3080,31
15,3150,3185
```

## Question 3rd

```
In [5]: first_name = input("Enter your first name: ")
last_name = input("Enter your last name: ")
```

```
Enter your first name: hanad
Enter your last name: muqaddar
```

```
In [6]: f = first_name[::-1]
```

```
In [7]: l = last_name[::-1]
```

```
In [8]: print(f,l)
```

```
danah raddaqum
```

```
In [9]: print(first_name[::-1],last_name[::-1])
```

```
danah raddaqum
```

**These are the both options by which we can done this question done.**

## Question 4

Formula  $v = \frac{4}{3} * \pi * r^3$

```
In [66]: import math
diameter = int(input("Enter the diameter: "))
volume = 1/6 * math.pi * pow(diameter,3)
volume
```

Enter the diameter: 12

Out[66]: 904.7786842338603

## Task 2

```
In [87]: numbers = input("Enter Numbers with comma seprated : ")
```

Enter Numbers with comma seprated : 4,85,69,54,21,36,2,4,5,6

```
In [92]: list = numbers.split(",")
```

```
In [93]: list
```

Out[93]: ['4', '85', '69', '54', '21', '36', '2', '4', '5', '6']

## Question 2

```
In [51]: for i in range(5):
          for j in range(i+1):
              print('*', end=" ")
          print("\n")
          for i in range(5,0,-1):
              for j in range(i-1):
                  print('*', end=" ")
              print("\n")
```

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

### Question 3

```
In [16]: name = input("Enter name: ")
```

Enter name: hanad

```
In [31]: print("Input : ", name)
          print("Output :", name[::-1])
```

Input : hanad

Output : danah

## Question 4

```
In [18]: string = '''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 [19]: print(string)
```

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 [ ]:

In [ ]: