In [7]:

```
def Check_sum_year(year):

    year_digit_sum=0
    for i in str(year):
        year_digit_sum+=int(i)
    if year_digit_sum > 16:
        return True
    return False

def Check_leap_year(year):
    sum_of_digits = Check_sum_year(year)
    if sum_of_digits == False:
        return False
    if  year%400 == 0:
        return True
    if((year%100 != 0) and (year%4 == 0)):
        return True
    return False

def Check_leap_year_sum(year):
    initial_count = 0
    year_list=[]
    while(initial_count<20):
        if Check_leap_year(year):
            year_list.append(year)
            initial_count+=1
        year+=1
    return year_list

if __name__=="__main__":
    year = int(input("Enter the number from where you want the leap years\n"))
    leapyears = Check_leap_year_sum(year)
    print("The leap years form the given year {} and sum greater than 16 are ".format(year))
    for i in leapyears:
        print(i)
```

```
Enter the number from where you want the leap years
1000
The leap years form the given year 1000 and sum greater than 16 are
1088
1188
1196
1268
1288
1296
1368
1376
1388
1396
1448
1468
1476
1484
1488
1496
1548
1556
1568
1576
```

In [ ]:

```
```