

In [4]:

```
1 #1
2
3 class First:
4     def __init__(self,n):
5         self.n=n
6     def gene(self):
7         for i in range(0,self.n+1):
8             if i%7==0 and i%5==0:
9                 yield i
10
11
12 n=int(input())
13
14 g=First(n)
15 g.gene()
16
17 for i in g.gene():
18     print(i,end=",")
```

100
0,35,70,

In [5]:

```
1 #2
2
3 class Second:
4     def __init__(self,n):
5         self.n=n
6     def gene(self):
7         for i in range(0,self.n+1):
8             if i%2==0:
9                 yield i
10
11
12 n=int(input())
13
14 g=Second(n)
15 g.gene()
16
17 for i in g.gene():
18     print(i,end=",")
```

100
0,2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,48,50,5
2,54,56,58,60,62,64,66,68,70,72,74,76,78,80,82,84,86,88,90,92,94,96,98,10
0,

In [17]:

```

1 # 3
2
3 f=[0,1]
4 n=int(input())
5 [f.append(f[i-1]+f[i-2]) for i in range(2,n+1)]
6
7 for i in range(len(f)):
8     if i==len(f)-1:
9         print(f[i])
10    else:
11        print(f[i],end=",")

```

7
0,1,1,2,3,5,8,13

In [21]:

```

1 #4
2 s=input()
3 k=s.split("@")
4 print(k[0])
5 print(k[1].split(".")[0])

```

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In [22]:

```

1 # 5
2
3
4 class Shape:
5     def area(self):
6         print("shape area is",0)
7
8 class Square(Shape):
9     def __init__(self,length):
10        self.length=length
11
12    def area(self):
13        print("The area of the square is",self.length**2)
14
15 a=Shape()
16 b=Square(10)
17
18 a.area()
19 b.area()

```

shape area is 0
The area of the square is 100

