1 . Iterate a string

```
var='priyanka'
i=0
while(i<len(var)):
    print(f'{i} = {var[i]}')
    i +=1
```

0 = p

1 = r

2 = i

3 = y

4 = a

5 = n

6 = k

7 = a

2 First 10 fibonacci sereis

```
a=0
b=1
i=1
while (i<=10):
    print(a)
    s = a + b
    a , b = b , s
    i += 1
```

0

1

1

2

3

5

8

13

21

34

3 write a program to calculate sum of digits without using any inbuilt function

```
num =int(input('Enter a num : '))
s =0
while num > 0 :
   r = num% 10
    s += r
   num = num // 10
print(s)
```

```
Enter a num :  123456789
45
```

4 table 1 to 10

```
for i in range(1,11,1):
   for j in range(1,11,1):
      print(i*j ,end="\t")
   print( )
```

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

5. table 1 to 5

```
for i in range(1,11,1):
   for j in range(1,6,1):
      print(i*j ,end="\t")
   print( )
```

1	2	3	4	5
2	4	6	8	10
3	6	9	12	15
4	8	12	16	20
5	10	15	20	25
6	12	18	24	30
7	14	21	28	35
8	16	24	32	40
9	18	27	36	45
10	20	30	40	50

6 .   Print pattern

		2		4	
2		4	6	8	10
		6		12	
4		8	12	16	20
		10		20	

```
for i in range(1,6,1):
   for j in range(1,6,1):
      if (i*j) %2 == 0 :
       print(i*j ,end="\t")
      else:
       print(" ",end="\t")

   print( )
```

		2		4	
2		4	6	8	10
		6		12	
4		8	12	16	20
		10		20	