Basic | Amsaveni assignment.ipynb - C | MLP 9.30PM 3RD SEP 2025 - Gc | amsaveniammu98-cmyk/Py

localhost:8888/notebooks/OneDrive/Desktop/MLP batch/Basic.ipynb

jupyter **Basic** Last Checkpoint: 6 hours ago

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Code

JupyterL

[1]:
```
16-9-25

#write a Fibonacci series from 1 to 10: it will always start from 0,1 and it s the addition of present+prev sum value
a=0
b=1
i=0
while (i<=10):
    print(a)
    s=a+b
    a=b
    b=s

    i=i+1
```

```
0
1
1
2
3
5
8
13
21
34
55
```

[7]:
```
#write a program to calculatr sum of digits without using inbuilt functions
#3582=3+5+8+2=18     #//=floor devision

num=int(input("enter a value:"))
s=0
while(num>0):
    digit = num%10
```

Search

```
#write a program to calculate sum of digits
#3582=3+5+8+2=18      #//=floor devision

num=int(input("enter a value:"))
s=0
while(num>0):
    digit = num%10
    s= s+digit
    num=num//10
print(s)
```

```
enter a value: 3582
18
```

```
#write a programme to write 1 t0 10 tables
for i in range(1,11,1):
    for j in range(1,11,1):
        print(i*j,end="\t")
    print()
```

note:if i=1 then j=1,2,3,4,5,6.....10

#to print vetically end="" then it wlil display n a single line and \t= tab space

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

Nested loops:

10 20 30 40 50 60 70 80 90 100

[ ]:
```
Nested loops:
1.for loop inside or loop
for var1 n range():    #outer loop  #var=variable (for outer loops we write program for how many columns
    for var2 in range(): #inner loop (we write what values to be entered
        inner loop statements
    outer loop statements
```

[12]:
```
#write  a programm to write a 1 t0 5 tables

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
```

[23]:
```
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("\n")
```

2 4

```
9       18      27      36      45
10      20      30      40      50
```

[23]:
```
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("\n")
```

```
        2               4

2       4       6       8       10

        6               12

4       8       12      16      20

        10              20
```

[6]:
```
num=[1,2,3,4,5,6]
it=iter(num)
print(next(it))#1
print(next(it)) #2
```

```
1
2
```

[ ]:
```
18-9-25

Nested  while loop syntax:

Initialization of outer while loop
while (condition) : #outer while loop
    intialisation of inner while (#inner loop)
```