

In [2]:

```
1 print("vanitha")
2 print("vanitha")
```

vanitha  
vanitha

In [7]:

```
1 for i in range(10):
2     print("vanitha",end=' ')
```

vanitha vanitha vanitha vanitha vanitha vanitha vanitha vanitha vanitha vanitha vanitha

In [11]:

```
1 # 1 to 10 numbers printing
2 for j in range(1,11,2):
3     print(j,end=' ')
```

1 3 5 7 9

In [14]:

```
1 for k in range(1,101,4):
2     print(k,end=' ')
```

1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93 97

In [16]:

```
1 s,e,n=int(input()),int(input()),int(input())
2 for c in range(s,e+1,n):
3     print(c,end=' ')
```

...

In [20]:

```
1 # decrement
2 # 10 to 1 numbers
3 for a in range(10,0,-3):
4     print(a,end=' ')
```

10 7 4 1

In [21]:

```
1 ord('A')
```

Out[21]:

65

In [22]:

```
1 ord('a')
```

Out[22]:

97

In [24]:

```
1 ord('1')
```

Out[24]:

49

In [29]:

```
1 for i in range(ord('A'),ord('Z')+1):  
2     print(chr(i),end = ' ')
```

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

In [30]:

```
1 for j in range(ord('a'),ord('z')+1):  
2     print(chr(j),end=' ')
```

a b c d e f g h i j k l m n o p q r s t u v w x y z

In [ ]:

```
1 A --> 65  
2 C --> 67  
3 E --> 69  
4 .  
5 .  
6 .  
7 Z -->
```

In [35]:

```
1 for k in range(ord('A'),ord('Z')+1):  
2     if(k%2==1):  
3         print(chr(k), "-->", k)
```

...

In [38]:

```
1 # 1 to 10 numbers total  
2 t=0  
3 for i in range(1,11): # i=1 i=2 i=3 i=4  
4     t = t + i # 0+1=1 1+2=3 3+3=6 6+4=10.....  
5 print(t)
```

55

In [45]:

```

1 # i/p: 10
2 # o/p: 1 2 5 10
3 n = int(input())
4 for j in range(1,n+1):
5     if(n%j==0): # 10%3==1(T)
6         print(j,end=' ')

```

100

1 2 4 5 10 20 25 50 100

In [47]:

```

1 #5 = 120 = 1*2*3*4*5=120
2 n1 = int(input())
3 f = 1
4 for s in range(1,n1+1): # s=1 2 3 4
5     f = f*s # 1*1=1 1*2=2 2*3=6 6*4=24 24*5=120
6 print(f)
7

```

...

In [53]:

```

1 #5 = 120 = 1*2*3*4*5=120
2 n1 = int(input())
3 f = 1
4 for s in range(n1,1,-1): # s=1 2 3 4
5     f = f*s # 1*1=1 1*2=2 2*3=6 6*4=24 24*5=120
6 print(f)
7

```

5

120

In [52]:

```

1 num = int(input())
2 f_count = 0
3 for i in range(1,num+1):
4     if(num%i==0):
5         f_count = f_count+1
6 print("factors count = ",f_count)
7 if(f_count==2):
8     print("prime number")
9 else:
10    print("not a prime number")

```

25

factors count = 3

not a prime number

In [ ]:

```

1 6 = 1 2 3 6 = 1+2+3=6

```

In [ ]:

1	
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In [ ]:

1	
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