

```

def function(a,b=10,c=None):
    if c is None:
        print(f'{a}+{b}={a+b}')
    else:
        print(f'{a}x{b}x{c} = {a*b*c}')
function(5)
function(8,7,3)

```

Python\_Class x

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5+10=15

8x7x3 = 168

Process finished with exit code 0

```

#Exercise : 2
def even(*numbers):
    res = 0
    for n in numbers:
        if n % 2 == 0:
            res += n
    return res

result = even(1,2,3,4,5,6,7,8,9)
print('Sum is ',result)
result = even(1,3,5,7)
print('Sum is ',result)

```

Python\_Class x

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Sum is 20

Sum is 0

Process finished with exit code 0

#Exercise : 3

```
def product(a,b,*c,d=1):  
    prod=1  
    for i in c:  
        prod *= i  
    print(a*b*prod+d)
```

```
product(2,3,5,6,4,d=2)
```

Python\_Class x

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Process finished with exit code 0

#Exercise : 4

```
def length(list1):  
    list2 = []  
    for strg in list1:  
        if len(strg) >= 5:  
            list2.append(strg)  
    return list2  
print(length(['he', 'she', 'it', 'hellow', 'how are you']))
```

Python\_Class x

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['hellow', 'how are you']

Process finished with exit code 0

```

#Exercise : 5
def fulllist(list1):
    list2 = []
    vowels = ['a', 'e', 'i', 'o', 'u']
    for strg in list1:
        new_string = []
        for letter in strg:
            if letter.lower() not in vowels:
                new_string.append(letter)
        list2.append(' '.join(new_string))
    return list2

print(fulllist(['hello', 'how are you', 'good', 'none']))

```

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['h l l w', 'h w   r   y', 'g d', 'n n']

```

Process finished with exit code 0

```

#Exercise : 6

even = lambda x: True if x%2==0 else False
print(even(8))
print(even(9))

```

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```

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True
False

```

Process finished with exit code 0