Output:

7. Consider a function f(X) = X3. Input is 'N' list. Each list contains 'M' elements. From the list, find the maximum element. Compute: S = (f(X1) + f(X2) + f(X3) + ... + f(XN)) Modulo Z

```
[ ] #7.Consider a function f(X) = X3. Input is 'N' list. Each list contains 'M' elements. From the list, \mathbb{C}nd
    #4the maximum element. Compute
    def f(x):
        return x**3
    N=int(input("Enter N:"))
    M=int(input("Enter M:"))
    1=[]
    mx=[]
    for i in range(N):
     for j in range(M):
          l.append(int(input("enter elements:")))
    mx.append(max(1))
    1=[]
    Z=int(input("Enter Z:"))
    S=0
    for i in mx:
     3
     s+=f(i)
    print(s%Z)
    Enter N:2
    Enter M:4
    enter elements:7
    enter elements:2
    enter elements:8
    enter elements:2
    enter elements:9
    enter elements:1
    enter elements:9
    enter elements:3
    Enter Z:8
```

8. Validate the Credit numbers based on the following conditions:

Begins with 4,5, or 6 Contain exactly 16 digits Contains only numbers (0 to 9)

For every 4 digits a hyphen (-) may be included (not mandatory). No other special character permitted. Must not have 4 or more consecutive same digits.

[] #8.Validate the Credit numbers based on the following import reimport featrols
text=5135-3928-9212-5466"
print([rectxt])
1-[(k,swc(i for i in g)) for k,g in itertools.groupby(text)]
1-[(k,swc(i for i in g)) for k,g in itertools.groupby(text)]
if re-sercit("id50]*:featrols and len(text)==16 and re-search("[id]",text) and all(v<3 for k,v in 1) and bool(re-search(r'\s',text)) is false and bool(re-search(r'\s',text)) is false or(bool(re-search(r'\s',text)) is false or(bool(re-sear

19 it passed