assignment_7 about:srcdoc

```
In [1]: 1.
        list1=[1,2,3,4,[44,55,66,True],False,(34,56,78,89,34),{1,2,3,3,2,1},{1:34,"key2":[5
        flatlist=[]
        for i in list1:
            if type(i)== int:
                flatlist.append(i)
            elif type(i)== list or type(i)== tuple or type(i)== set :
                for j in i:
                    if type(j)== int:
                        flatlist.append(j)
            elif type(i)== dict :
                for x in i.keys() :
                    if type(x)==int :
                        flatlist.append(x)
                    elif type(x)== list or type(x)== tuple:
                        for k in x:
                             if type(k)==int:
                                 flatlist.append(k)
                for y in i.values():
                     if type(y)==int:
                        flatlist.append(y)
                     elif type(y)==list or type(y)==tuple:
                        for v in y:
                             if type(v)==int:
                                 flatlist.append(v)
        from functools import reduce
        mul=reduce(lambda x,y:x*y,flatlist)
        print(mul)
        print(flatlist)
        4134711838987085478833841242112000
        [1, 2, 3, 4, 44, 55, 66, 34, 56, 78, 89, 34, 1, 2, 3, 1, 4, 34, 55, 67, 78, 89, 45,
        22, 61, 34, 56]
In [9]: 2
        s=("I want to become a Data Scientist")
        s= s.lower()
        dict={"a":"z","b":"y","c":"x"," ":"$"}
        for i in dict:
            s=s.replace(i,dict[i])
        print(s)
        i$wznt$to$yexome$z$dztz$sxientist$
In [ ]:
```

1 of 1 09-02-2023, 01:47 am