FirstHomework

August 31, 2017

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In []: #Task 1
        a=[]
In []: #Task 2
        i=1
        while i <= 100:
            a.append(i)
            i+=3
        print(i)
        print(a)
In []: #Task 3
        a2=[]
        j=2
        while j \le 46:
            a2.append(j)
            j+=0.5
        print(a2)
In []: #Task 4
        for k in range(len(a)):
            if a[k] \% 2 == 0:
                a[k]=a[k]*2
        print(a)
In []: #Task 5
        sum_of_a = a[0] + sum(a[2:20]) + sum(a[21:])
        print(sum_of_a)
In []: #Task 6
        sum_a=sum(a)
        len_a=len(a)
        {\tt mean\_a=sum\_a/len\_a}
        print(mean_a)
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In []: #Task 7
        b=[]
In []: #Task 8
        sentence='I am so excited about Data-X. It is important to be able to work with data.'
        b = sentence.split()
        print(b)
In []: #Task 9
        count=0
        for c in range(len(b)):
            count+=b[c].count('e')
        print(count)
In []: #Task 10
        for r in range(len(b)):
            if 'i' or 'I' in b[r]:
                b[r]=b[r].replace('i','1')
                b[r]=b[r].replace('I','1')
        print(b)
In []: #Task 11
        eofhw='This is the end of the first HW'
        bb=eofhw.split()
        for bc in range(len(bb)):
            b.append(bb[bc])
        for c13 in range(len(b)):
            b[c13]=b[c13][::-1]
        print(b)
In []: #Task 12
        sentence=''
        for c14 in reversed(range(len(b))):
            sentence+=(b[c14]+' ')
        print(sentence)
In []: #Task 13
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