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In [1]: import heapq
         def main():
             Listfac = []
             def NumFactor(n):
                 global average
                 count_fact = 0
for i in range(1, n+1):
                     if n % i == 0:
                         print(i, end = ", ")
                         Listfac.append(i)
                         count_fact += 1
                         heapq.nlargest(3,Listfac)
                         average = round(sum(heapq.nlargest(3,Listfac ))/len(heapq.nlargest(3,Listfac )), 2)
                 print("\nList = ", Listfac)
                 return count_fact
             n = int(input("\nEnter a number: "))
             x = NumFactor(n)
             print("The count is:", x)
             if x < 10:
                print("This is too less. Do you want to contiue?")
             if x > 10:
                 print("The three highest factors are:", heapq.nlargest(3,Listfac))
                 print("Their average =", average)
                 print("Do you want to contiue?")
             while True:
                 m = input("Enter Y for another number or N to quit: ").upper()
                 if m == "Y":
                     main()
                     break
                 if m == "N":
                     break
         main()
        Enter a number: 60
        1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60,
        List = [1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60]
        The count is: 12
        The three highest factors are: [60, 30, 20]
        Their average = 36.67
        Do you want to contiue?
        Enter Y for another number or N to quit: y
        Enter a number: 30
        1, 2, 3, 5, 6, 10, 15, 30,
        List = [1, 2, 3, 5, 6, 10, 15, 30]
        The count is: 8
        This is too less. Do you want to contiue?
        Enter Y for another number or N to quit: Y
        Enter a number: 72
        1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72,
        List = [1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72]
        The count is: 12
        The three highest factors are: [72, 36, 24]
        Their average = 44.0
        Do you want to contiue?
        Enter Y for another number or N to quit: n
In [ ]:
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In []: