#next program  
h=list(range(30,100,10))  
print("given Range ", h)  
j=list(range(10))  
print("Arrived range = ", j)  
print("After slicing-1", j[2:6:2])  
a=list(range(10))  
print("Arrived range = ", a)  
print("After slicing-2 ", a[0:8:3])  
a=list(range(10))  
print("After slicing-3 ", a[:-2])  
a=list(range(10))  
print("The Element are ", a)  
print("After slicing-4 ", a[:-2:2])  
a=list(range(10))  
print("The Element are ", a)  
print("After slicing-5 ", a[::4])  
a=list(range(10))  
print("The Element are ", a)  
print("After slicing-6 ", a[2:-2])  
a="Stuttgart"  
print("Given String: ",a)  
print("After slicing -7 " , a[2:-2])  
a="Stuttgart"  
print("Given String: ",a)  
print("After slicing-8 " , a[-2:])  
a=list(range(10))  
print("The Element are ", a)  
print("After slicing-9 ", a[2:3])

Output:

Arrived range = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

After slicing-1= [2, 4]

Arrived range = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

After slicing-2 [0, 3, 6]

After slicing-3 [0, 1, 2, 3, 4, 5, 6, 7]

The Element are [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

After slicing-4 [0, 2, 4, 6]

The Element are [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

After slicing-5 [0, 4, 8]

The Element are [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

After slicing-6 [2, 3, 4, 5, 6, 7]

Given String: Stuttgart

After slicing -7 uttga

Given String: Stuttgart

After slicing-8 rt

The Element are [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

After slicing-9 [2]