**3.1) What is List? How will you reverse a list?**

->A list is a collection of items that are arranged in a specific order or sequence.

->Lists are often used in programming to group related data together and to facilitate manipulation and analysis of the data.

->Lists can be modified by adding or removing items, and they can be sorted or searched to retrieve specific elements.

->To reverse a list, the simplest way is to use the 'reverse( )' method.

**Here's an example:-**

#input Without Loop

l=[10,20,30,40,50]

l.reverse()

print(l)

#output

[50,40,30,20,10]

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#input With While Loop

i=5

while i>=1:

print(i)

i-=1

#output

5

4

3

2

1

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#For Loop with user input

n=int(input("Enter Number of Range:"))

p=list()

for i in range(n):

s=input("Enter Value:")

p.append(s)

print(p)

p.reverse()

print(p)

#output

Enter Number of Range:3

Enter Value:30

Enter Value:20

Enter Value:10

[30,20,10] #input list (original )

[10,20,30] # reverse list