For loop: it is mainly used for iteration and repetition

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Repetition: ex: we will combine with range function range(10)

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For loop works with sequence like list, tuple etc..

Ex: x = [23, ‘uday’, 2.5]

Print(x)

What if we want to print the values individually

Now we will use for loop for this

For i in x: # here i will take one by one value in x

Print(i) # print the value of I

What is the above is an example of iteration or repetition:

As an example we use

X = ‘uday’

For I in x :

Print(i)

We can print something like this as well

For I in [245, ‘uday’, 2.5] # we will mention a collection like list

Print(i)

For I in range(10):

Print(i)

Q: how to print the numbers starting 10 till 20 and the increment should be 2?

Q: can we print in reverse order ex: from 20 to 11 with a decrement of 1 number?

Now we will print the values from 1 to 20 and the number not divisible by 5 should be printed

For i in range(1,21):

If i%5!=0:

Print(i)

NOTE: We can write if inside a for and we can write for inside a for loop – nested for loop

Task 1: Iteration

1. We need to have names in a list
2. We need to be print each name + print with ‘can you code?’
3. Irrespective of the loop – print (‘yes, we can code’)

Task 2: repetition

I need the output like below: hint we need to use range function

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x = [25, 'uday', 25.5]

for i in x:

    print(i)

for i in range(1,20):

    if i %5 !=0:

        print(i)

task 1:

names = ['rithu', 'bunny', 'puja', 'rishi']

for i in names:

    print(i + ' can you code?')

print('yes, we can code!!')

task 2:

for i in range(3):

    print('hello, hello, hello, how low')

print('hello, hello, hello')