Clarification of last class:

Loop – we need to re print something

Ex: we need to print something once print(‘python’) for twice we can do print(‘python’), print(‘python’)…. What if we need to do it 10 times?

Here comes the loops in to rescue – while loop and for loop

Now we will see while loop

Syntax:

i = 1 # First line take a counter or variable

while i<=5: # because we are trying to print python for 5 times.

print(‘python’)

i = i + 1 #here we are incrementing the value starting with one

this will print the output 5 times.

Diagram

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Q: can we write descending order for the above code snippet? Decrement this time, before we did increment.

Q: can we print the value of the number along with the python? How?

We can do nested while as we did for nested if and below is the code.

i = 1

j = 1

while i <= 5:

    print('python')

    while j<=4:

        print('rocks')

        j=j+1

    i = i + 1

Q: what do you think the output will be ? and let’s debug it and see how it works.

Q:Let’s look at new code and make changes to it accordingly so that we can print python rocks

i = 1

j = 1

while i <= 5:

    print('python ', end="")

    while j<=4:

        print('rocks ', end="")

        j=j+1

    i = i + 1

i = 1

while i <= 5:

    print('python ', end="")

    j=1

    while j<=4:

        print('rocks ', end="")

        j=j+1

    i = i + 1

    print()

Graphical user interface, text, application

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