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In [0]: #This is a supplementary material to the lecture "Conditionals, Loops and Functions" to quickly revise, whenever needed
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In [0]: #conditional statements executes set of instructions based on a condition is True of False
#conditional statement generally utilize arithmetic, logical and relational operators
#logical operators are 'and', 'or', 'not' in python
#relational operators are >, >=, <, <=, == same as in other programming languages like c++ or java
#let's look at some of the examples</pre>
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In [3]: if(5>2):
    print(True)
```

True

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In [4]: #combining more than two expression
a = 10
b = 20
c = 30
if(a < c and b < c): #indentation in python plays the same role as curly brackets in other
languages like c++ or java
print(c)</pre>
```

30

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In [5]: #loops
#it works the same as in other languages, one thing to keep in mind is to have consistent indentation
    in python as we have curly brackets in other languages
    i=1
    while(i<=5):
        print(i, end = " ")
        i += 1</pre>
```

## 1 2 3 4 5

```
In [6]: #the same can be achieved as
    for i in range(1, 6):
        print(i, end=" ")

#range(start, stop, step) function returns a sequence of numbers,
#starting from start (0 by default), and increments by step (1 by default), and ends at a stop - 1.
```

## 1 2 3 4 5

fast iteration over list
1 2.5 4 5 6.0 end
fast iteration over tuple
1 2.5 4 5 6.0 end

area: 78.53981633974483 circumference: 31.41592653589793

In [0]: #Thanks, Happy coding!

In [0]: #To download .ipynb notebook, right click the following link and click save as
https://ninjasfiles.s3.amazonaws.com/00000000003217.ipynb