**Basic Concepts**

* Python is high level programming language with a lot of application
* Flexible and accessible

**Print**

**Example** Print (‘hello world’)

* We can also print multiple lines with this print function

**Example** Print (‘hello there’)

Print (‘how you doing ‘)

**Simple operators**

* Doing calculation is easy in python

**Example** Print (2+2)

Print (1+2-5)

**Data Types**

* Each value in python have a value
* It can be string integer float

**Exponential Function**

**Example** Print (2\*\*5) ->rise a number to power

**Quotient**

**Example** Print (20//6) the output is 3

**Reminder**

**Example** Print (20%6)

**Strings**

* \ helps to skips the quotes in your sentence

**Example** Print (‘my mother\’s bag is beautiful’)

**Newlines**

* \n this creates new lines

**Concatenation**

**Example** Print (‘hello’+’world’) the output will be hello world

Pirnt (‘hey’\*3) the output will be heyheyhey

**Variables**

* It Let u store a value by assigning it to a name

**Example** User=” Jerusalem”

* We can’t use special symbol as a variable

**Example**  X=8

Print(x)

**Taking user input**

**Example** X=input ()

Print(x)

Name=input (“what is your name”)

Print (“hello” + name)

**Boolean**

**Example** Print (2==3)

False

Print (7==7)

True

**If and else statement**

**Syntax** If condition:

Statement

**Example** X=42

If x>5:

Print (“ x is greater than 5”)

X=4

If x==4:

Print(“Yes”)

Else:

Print(“no”)

**While loops**

**Example** I=1

While I<=5:

Print(I)

I=i+1

Print(“finished”)

**Lists**

**Example** Words= [“hello”, “world”]

Print(words [0]) prints h

Str=” hello there” space have an index

Print(str[6])

**List operation**

Words=[“hello”, “world”, “what sup”]

Print (“world” in words)