**PYTHON cHEATSHEET**

* **String Functions:-**

len(str)

str. slicing(2,3 arguments),

isalnum()

isalpha()

endswith()

count()

capitalize()

find ()

lower ()

upper ()

replace(“x”,”y”)

isnumeric()

* List Functions:-

l.sort()

reverse()

slicing(2,3 arguments)

append()

remove(value)

insert(index,value)

pop()

len(l)

max()

min()

* Dictionary Functions

del d1[key]

d1.copy ()

get()

update(“key”,”value”)

key()

items()

* Set Functions:-

s.add()

union()

intersection()

isdisjoint()

remove

len(s)

min()

max()

* File Input Output Basics

“r” – file reading

“w”- file writing

“x” – create file

“a” – add content content to file

“t” – text mode

“b” – binary mode

“r+” – Read and Write mode

f.read()

f.readline()

f.readlines()

f.write()

f.tell()

f.seek(position)

“with” keyword will automatically handle the opening and closing of file.

* Built-in Modules and its Functions

1. Random

random.randint(range)

random.random()

random.choice(list)

random.shuffle(sequence)

1. Math

math.ceil() – rounds number to nearest integer

math.cos()

math.degrees()- converts an angle from radians to degree

math.exp()

math.factorial()

math.floor()- rounds to nearest integer

math.fsum()-returns sum of all items in list,tuple,set.

math.gcd()

math.log()- returns natural log of a number

math.log10()- returns log value with base 10

math.pow()

math.radians()

math.sin()

math.sqrt()

math.tan()

math.e= returns 2.71…

math.pi= returns 3.14…

1. Statistics

statistics.mean()

statistics.meadian()

statistics.mode()

statistics.variance()

statistics.stdev()

1. Time

time.time()

time.sleep(value)

time.acstime(time.localtime(time.time()))

time.strftime(‘%H:%M:%S)