

Python Day 2 - Report

1) List comprehensions:-

```
temp = [221, 204, 340, 220]
```

```
new-temp = []
```

```
for temp in temps:
```

```
    new-temp.append(temp/10)
```

```
print(new-temp)
```

```
o/p: [22.1, 20.4, 34.0, 22.0]
```

```
temp = [221, 234, 340, -9999, 230]
```

```
new-temp = [temp/10 for temp in temp if temp != -9999]
```

```
print(new-temp)
```

```
o/p: [22.1, 23.4, 34.02, 23.0]
```

2) Basic list comprehension:-

```
[i*2 for i in [1, 5, 10]]
```

```
output [2, 10, 20]
```

```
if condition
```

```
[i*2 for i in [1, -2, 10] if i > 0]
```

```
o/p [2, 20]
```

```
if & else condition
```

```
[i*2 if i > 0 else 0 if i in [1, -2, 10]]
```

```
o/p: [2, 0, 20]
```

Section 10:- More on Function

```
def area(a, b):
```

```
    return a*b
```

```
print(area(4, 5))
```

```
o/p:- 20
```

Default & Non-Default parameters and keyword and Non-keyword Arguments

Keyword:-

```
area(a, b):
```

```
    return (a*b)
```

```
print(area(a=4, b=5))
```

Default:-
def area (a, b=6)
 return a*b
 print (area(5)).

Function's With the Arbitrary Numbers & no-keywords:-

Instance should have only 2 Arguments

len('hello') len('hello', 'hi')
= 5 => error (argument only)

Pre def mean(*args)
 return (args)/len (args)
 print (mean (1, 3, 4))
O/p: 2.666/

Keyword Arguments:-

def mean (**kwargs)
 return kwargs
 print (mean (a=2, b=4, c=6))
O/p :- 'a'=2, 'b'=4, 'c'=6.

more than one parameter

def volume (a, b, c):
 return a*b*c.

Key file processing (section 11)

The concept of Processing file in python

→ Reading text 'from a file',
my file = open ("fruits.txt");
print ("my file.read()")

Multiple Times:-

my file = open ("fruits.txt")
content = my file.read()
print (content)

Closing a file:-

my file.close()

opening a file:-

With open ("fruits.txt") as my file:

Different file paths :-

Writing Text file to a file.

With open ('file/vegetable.txt', 'w') as
my file . write ("Tomato")
o/p :- Tomato.

Built in Module

By: builtin-module-names

Import time

While True:

With open ('files/vegetables.txt') as file:

Print (file.read())

time.sleep(10).
