Date: 23/05/2018

**Assignment: 3**

**Task1: Read about the below topics**

* sed => It is a powerfull command to perform operation on files (like; insertation,deletion,substitution etc.)
* awk=> awk command searches files for text containing a pattern.
* Shebang=>Line #!/user/bin/python is called shebang. Its a absolute path for the interpreter.
* exit status=> every commant has their exit status if it is ‘0’ means command is successfully executed else or other than ‘0’ means not successful

**Task 2:Make a script and pass 5 command line arguments(arguments value should be interger)**

* print 1st and 5th command line arguments
* print "INDIA" if 2nd argument equal to 10 else it will print "india"
* print addition of all arguments

**Solution:**

#!/user/bin/python

import sys

1. arguments= sys.argv
2. print "first argument is",arguments[1]
3. print "fifth argument is:",arguments[5]
4. if arguments[2]==10:
5. print "INDIA"
6. else:
7. print "india"
8. addition=0
9. for x in range(1, 6):
10. addition=addition+int(arguments[x])
11. print "sum is:",addition

**Task 3: Make a script and pass one command line arguments(use loop)**

* print the table of command line argument if value is less 10
* print 5 times "INDIA" if value is greater than or equal to 10

**Solution:**

#!/user/bin/python

import sys

argument= sys.argv

print argument

if int(argument[1])<10:

for x in range(1, 11):

print argument[1],"\*",x,"=",int(argument[1])\*x

else:

for x in range(0, 5):

print"INDIA"

**Task 4:Make a script and print your name 10 times(use fuction to print your name)**

**Solution: #**!/user/bin/python

name=raw\_input("enter your name \n")

def fun(name):

i=1

while i<=10:

print name

i+=1

fun(name)

**Task 5:Make a excel sheet manually with 5 column, and print the 1st,3rd and 5th column**

**Solution: #**!/user/bin/python

#but first install PIP than xlrd

import xlrd

filelocation="excl.xls"

workbook=xlrd.open\_workbook(filelocation)

sheet=workbook.sheet\_by\_index(0)

print sheet.cell\_value(0, 0)

print sheet.cell\_value(0, 2)

print sheet.cell\_value(0, 4)

**Task 6:Install the zabbix-agent using shell script**

**Solution:#**!/user/bin/python

import os

def install\_function():

os.system('apt-get install zabbix-agent')

install\_function()

**//Not able to change in the config. File as unable to find specific package (like sed)in python .**

**Task 7: Pending...**