#Question1

$ scp -i ~/Downloads/\*.pem ~/Downloads/twain.txt ubuntu@ec2-3-104-119-121.ap-southeast-2.compute.amazonaws.com:~/A1T1/

$ ssh -i \*.pem [ubuntu@ec2-3-104-119-121.ap-southeast-2.compute.amazonaws.com](mailto:ubuntu@ec2-3-104-119-121.ap-southeast-2.compute.amazonaws.com)

$ pwd

$ cd A1T1

$ sed "s/Huck/HucK/g" twain.txt

#Question3

>>>def int(n):

… if(n%4==0 and n%100!=0 or n%400==0): *#conditions*

... print("It is a leap year")

... else:

... print("It is not a leap year")

...

#Question4

>>>import random *#importing random module*

>>>a=int(input("a=") *#User\_input string1*

>>> b=int(input("b=")) *#User\_input string2*

>>> print("random number between a and b:", random.randrange(a,b))

#Question5

>>> def int(m,d): *#defining function*

... if (m==3 or m==4 or m==5 or m==6 and d==20): *#condition1*

... return True

... elif(m<0 or m>12 and d<0 or d>31): *#condition2*

... print("Not valid")

... elif(0<m<13 and d<0 or d>31): *#condition3*

... print(" d cannonot be less than zero or greater than 31")

... elif(m<0 or m>12 and 0<d<32): *#condition4*

... print("m cannot be less than zero or greater than 12")

... else:

... return False

...

#Question6

>>> import math *#importing math module*

>>> e=math.e

>>> e

*2.718281828459045*

>>> def inv\_cal(P,r,t): *#defining function*

... S=P\*e\*\*(r\*t) *#entering formula*

... return S

...

>>> P=float(input("Enter principal amount:")) *#User\_input string1*

Enter principal amount:1000 *#Output*

>>> type(P)

<class 'float'>

>>> r=float(input("Enter annual interest rate:")) *#User\_input string2*

Enter annual interest rate:0.025 *#Output*

>>> t=float(input("Enter time:")) *#User\_input string3*

Enter time:0.3 *#Output*

>>> S=inv\_cal(P,r,t)

>>> print(S)