**Task 1**

1. Create three variables in a single line and assign values to them in such a manner that each one of

them belongs to a different data type.

Ans) a,b,c="naima",4.6,8

2. Create a variable of type complex and swap it with another variable of type integer.

Ans) c,d=(1+4j),6

3. Swap two numbers using a third variable and do the same task without using any third variable.

Ans)

e=6

f=7

temp=f

f=e

e=temp

print(e,f)

4. Write a program that takes input from the user and prints it using both Python 2.x and Python 3.x

Version.

Ans)

# Printing in python.3.x

g=input ("Enter your name: ")

print(g)

#Printing in python .2.x

Print g

5. Write a program to complete the task given below:

Ask users to enter any 2 numbers in between 1-10 , add the two numbers and keep the sum in

another variable called z. Add 30 to z and store the output in variable result and print result as the

final output.

Ans)

h= int(input("Enter a numbers in between 1 and 10: "))

i= int(input("Enter a numbers in between 1 and 10: "))

j = (h+i)

result= (j+30)

print(result)

6. Write a program to check the data type of the entered values.

HINT: Printed output should say - The data type of the input value is : int/float/string/etc

Ans)

inp= input ("enter a string or integer or float: ")

if isinstance(inp,int):

print ("The data type of input value is integer ")

elif isinstance(inp,str):

print ("The data type of inut value is string ")

elif isinstance(inp, float):

print ("The data type of input value is float")

7. Create Variables using formats such as Upper CamelCase, Lower CamelCase, SnakeCase and

UPPERCASE.

word="naima valiyaparambil rajendran"

k=naimaValiyaparambilRajendran # lower camel

l= NaimaValiyaparambilRajendran #upper camel case

m=naima\_valiyaparambil\_rajendran #snake case

8. If one data type value is assigned to ‘a’ variable and then a different data type value is assigned to ‘a’

again. Will it change the value? If Yes then Why?

Ans) Yes, in python variable is like a tag. For example if a= ”naima” then I re-assign it to 10 then that variable(tag) is removed from value “naima” and put it on 10 then place it on a different memory location. We can check it by using “id()” method.