**TASK ONE NUMBER AND VARIABLES**

1. >>> a=1; b=2.01; c='string'

2. >>> comp=1+6j

>>> i=9

>>> a,b=comp,i

3. >>> a=5; b=10

>>> a, b = b, a # without using third variable

>>> print(f"After swapping a : {a} b: {b}")

After swapping a : 10 b: 5

>>> a=5; b=10

>>> temp =0 # Using third variable

>>> temp =a

>>> a =b

>>> b= temp

>>> print(f"After swapping a : {a} b: {b}")

After swapping a : 10 b: 5

4.>>> a= input(“Enter number: “) # Python 3

Enter number: 5

>>> print(a)

5

>>>a=raw\_input(“Enter num:”) # Python 2

Enter num:4

>>>print “a”

4

5. >>> a = int(input("Enter between 1 to 10: "))

Enter between 1 to 10: 5

>>> b = int(input("Enter between 1 to 10: "))

Enter between 1 to 10: 5

>>> z= a+b

>>> result = 30 + int(z)

>>> print(f"result: {result}")

result: 40

6. >>> a = input("Enter a value to know it's data type: ")

Enter a value to know it's data type: 'abc'

>>> print(f"The data type of the input value is: {type(a)}.")

The data type of the input value is: <class 'str'>.

7. >>> a=input("Enter a string : ")

Enter a string : 'Feni Patel'

>>> print(f"Upper case: {a.upper()}")

Upper case: 'FENI PATEL'

>>> print(f"Lower case: {a.lower()}")

Lower case: 'feni patel'

8. Yes. It will be changed. It will overwrite that value to assigned variable.

>>> a=5

>>> a='abd'

>>> print(f'Value of a: {a}')

Value of a: abd