```
In [ ]:
```

python lab; numbers, variable and strings

exercise

```
In [15]: #1
         input = 'Pelumi'
         print ('hello', input)
```

hello Pelumi

```
In [10]: #2 input = 'how old are you'
         input = ('Your age is')
         age = 25
         print (input, 25)
```

Your age is 25

```
In [22]: #3
         a = 10
         b = 5
         input = a/b
         print (input)
```

2.0

```
In [25]: #4
         input = (2 + 3 + 4 + 5 + 6)
         print (input)
```

20

```
In [26]: #mean is 20/5
         a = 20
         b = 5
         input = a/b
         print (input)
```

4.0

```
In [33]: #7
         type("hello hi there")
         print (type("hello hi there"))
```

<class 'str'>

```
In [31]: # 12 given these strings

         s1 = 'abcd'
         s2 = 'efgh'
         answer = s1 + s2
         print (answer)
```

abcdefgh

```
In [ ]: assignment 2
        #data type and variables
        #1
        a) 5 =  integer
        b) 4.5 = float
        c) 6.0= float
        d) "hello" = string
        e) "3.14159"=
```

```
In [42]: #3
         print(type(3+7))
```

<class 'int'>

```
In [43]: print(type(6/30))
```

<class 'float'>

```
In [44]: print(type(5+6.0))
```

<class 'float'>

```
In [45]: print(type(6.0//3.0))
```

<class 'float'>

```
In [46]: print(type("py" + "thon" ))
```

<class 'str'>

```
In [ ]: print(type("high" + 5))
        can only concatenate str (not "int") to str
```

```
In [ ]: #VARIABLE
        3
```

```
In [ ]: #1
        a) num = acceptable
        b) AGE = acceptable
        c) FiRstnAmE = not acceptable case sensitive
        d)_count = acceptable
        e) 2nd_card= not acceptable, variables dont start with numbers
        f)card_2= acceptable
        g) card 2= not acceptable, variable dont have space inbetween
        h)1amba= not acceptable, variables dont start with numbers
```

```
In [ ]: #8
```

```
In [48]: k = 7
         k += 3
         print(k)
```

10

```
In [50]: k = 7
         k *= 3
         print(k)
```

21

```
In [51]: k = 7
         k -= 5
         print(k)
```

2

```
In [52]: k = 7
         k //= 6
         print(k)
```

1

```
In [ ]: #10
        x = 4
```