VARIABLES

Rules for naming the variable

- 1. variable can have alphabets[a-z,A-Z]
- 2. varaiable name should not start eith a number
- 3. variabel do not allow special character other then underscore
- 4. case sensitive

```
x = y = z = "test"
In [3]:
         'test'
Out[3]:
In [4]:
         'test'
Out[4]:
        Books = ["ds with python", "ba with python"]
In [5]:
Out[5]: ['ds eith python', 'ba with python']
In [6]: books ## python is a case sensitive
                                                   Traceback (most recent call last)
        ~\AppData\Local\Temp\ipykernel_3728\1731987864.py in <module>
        ----> 1 books
        NameError: name 'books' is not defined
        B2ooks = ["ds with python", "ba with python"]
In [7]:
Out[7]: ['ds eith python', 'ba with python']
In [8]:
        book*list = ["ds with python","ba with python"]
        book*list
                                                            ## can not use special character
          File "C:\Users\kesha\AppData\Local\Temp\ipykernel_3728\1919327411.py", line 1
            book*list = ["ds with python","ba with python"]
        SyntaxError: cannot assign to operator
```

Types of Analytics

- 1. Descriptive -> (what happened in the past)
- 2. Dignostic-> (why)
- 3 . predictive -> {future}
- 4. prescriptive-> {solution}

In []: