

Practical No. 7

Implementing coding practices in Python using PEP8.

1)

The image shows a Python IDE interface with two panels. The left panel displays a Python script named `main.py` with the following code:



```
1 class property:
2
3     def _init_(self):
4         self.age = e
5
6     @property
7     def get_age(self):
8         print("Student of FYBSC IT")
9         return self._age
10
11    @get_age.setter
12    def age(self,a):
13        if(a < 18):
14            raise ValueError("Sorry You
15                               are not Eligible, ")
16        print("Roshan Rajdev Maurya")
17        self._age = a
18
19 mark = property()
20 mark.age = 40
21 print(mark.age)
```

The right panel shows the output of the script in the Shell:

```
Roshan Rajdev Maurya
Student of FYBSC IT
40
> |
```

A blue "Run" button is located at the bottom right of the IDE window.

2)

 main.py Shell 

```
1 # Overloading equality and less
  than operator in python
2
3 class A:
4     def __init__(self, a):
5         self.a = a
6     def __lt__(self, other):
7         if(self.a < other.a):
8             return "ob1 is lessthan
              ob2"
9         else:
10            return "ob2 is less
              than ob1"
11    def __eq__(self, other):
12        if(self.a == other.a):
13            return "Both are equal"
14        else:
15            return "Not equal"
16 ob1 = A(2)
17 ob2 = A(3)
18 print(ob1 < ob2)
19 ob3 = A(4)
20 ob4 = A(4)
21 print(ob1 == ob2)
```

Run

 main.py Shell

```
ob1 is lessthan ob2
Not equal
> |
```