Day 10

oops

class Student():

   def __init__(self,name,rollno,blood_group):

     self.name=name

     self.rollno=rollno

     self.blood_group=blood_group

   def result(self,marks):

     print(f"the student whose name is {self.name} scored {marks}

       percent")

o/p

std1=Student("dheeraj",1,"B+ve")

std1.name

'dheeraj'

std1.blood_group

'B+ve'

std1.result

<bound method Student.result of <__main__.Student object at 0x000002711A285D80>>

std1.result(80)

the student whose name is dheeraj scored 80 percent

class Circle():

  pi=3.14

  def __init__(self,radius):

    self.radius=radius

  def area(self):

```python
        return self.pi*self.radius**2


circle=Circle(5)

circle.pi

3.14

circle.radius

5

circle.area()

78.5
```

Numpy

```python
import numpy as np

np.array([1,2,3])

array([1, 2, 3])

a=np.array([1,2,3])

a

array([1, 2, 3])

type(a)

<class 'numpy.ndarray'>

a=[1,2,3,4,5]

np.array(a)

array([1, 2, 3, 4, 5])

a=[1,2,"ankit",5.5,"hello"]

np.array(a)

array(['1', '2', 'ankit', '5.5', 'hello'], dtype='<U32')
```