Day 1

Pthon oop practice:

class

```
class Employee:
```

objects

```
emp_1=Employee()
emp_2=Employee()
```

Instance variables

```
class Employee:
    pass
emp_1=Employee()
emp_2=Employee()
emp_1.name="Dhamo"
emp_2.name="siva"
print(emp_1.name)
print(emp_2.name
```

output

```
Dhamo

siva
```

Example:

```
class Employee:
    def __init__(self, name, age , Dob , city):
        # it is the local variable , so we convert into the instance variable
        self.name = name
        self.age = age
        self.Dob = Dob
        self.city = city
```

```
emp_1=Employee("Dhamo",20,2002,"thiruttani")
emp_2=Employee("siva",19,2003,"chennai")
print('name:',emp_1.name)
print('age:',emp_1.age)
print('Dob:',emp_1.Dob)
print('city:',emp_1.city)
print("******************")
print('name:',emp_2.name)
print('age:',emp_2.age)
print('Dob:',emp_2.Dob)
print('city:',emp_2.city)
```

## output:

```
name: Dhamo

age: 20

Dob: 2002

city: thiruttani

******************

name: siva

age: 19

Dob: 2003

city: chennai
```

## Ex 2:

```
from datetime import date
class Employee:
    def __init__(self, name, age , Dob , city):
        # it is the local variable , so we convert into the instance variable
        self.name = name
        self.age = age
        self.Dob = Dob
        self.city = city
    def details(self):
        detail= f"Name : {self.name }¥nage :{self.age}"
        return detail
    def age(self):
```

```
            c_year = date.today().year
            return c_year - self.Dob
emp_1=Employee("Dhamo",20,2002,"thiruttani")
emp_2=Employee("siva",19,2003,"chennai")
Employee.age(emp_1)
print(emp_1.age())
print(emp_2.age()
```

## class varialbe

```
from datetime import date
class Employee:
    salary =20000
    def __init__(self, name, age , Dob , city):
        # it is the local variable , so we convert into the instance variable
        self.name = name
        self.age = age
        self.Dob = Dob
        self.city = city
    def details(self):
        detail= f"Name : {self.name }¥nage :{self.age}"
        return detail
    def age(self):
        c_year = date.today().year
        return c_year - self.Dob
    def actual_salary(self,PF):
        self.salary=self.salary -PF

emp_1=Employee("Dhamo",20,2002,"thiruttani")
emp_2=Employee("siva",19,2003,"chennai")
emp_1.actual_salary(5000)


print(emp_1.salary)
print(Employee.salary)
print(emp_2.salary)
```

## output

15000

20000