




Exercise 1

Write a program to create a class Employee with empno, name, department name, designation, age, and salary and perform the following function.

-  Accept details of N employees.
-  Search given employee using empno.
-  Display employee details in neat format.

Code

```
from tabulate import tabulate
class Employee:
    def __init__(self, empno, name, depname, designation, age, salary):
        self.empno = empno
        self.name = name
        self.depname = depname
        self.designation = designation
        self.age = age
        self.salary = salary
    def accept_details():
        empno, name, depname, designation, age, salary = input("Enter employee
details (empno, name, depname, designation, age, salary): ").split()
        return Employee(empno, name, depname, designation, age, salary)
    def search_employee(employees, empno):
        return next((emp for emp in employees if emp.empno == empno), None)
    def display_employee(emp):
        headers = ["Employee Number", "Name", "Department Name", "Designation",
"Age", "Salary"]
        data = [[emp.empno, emp.name, emp.depname, emp.designation, emp.age,
emp.salary]]
        print(tabulate(data, headers, tablefmt="fancy_grid"))

n = int(input("Enter the number of employees: "))
employees = [Employee.accept_details() for i in range(n)]
empno_to_search = input("\nEnter the employee number to search: ")
found_employee = Employee.search_employee(employees, empno_to_search)
if found_employee:
    Employee.display_employee(found_employee)
else:
    print("Employee not found.")
```

Output

```
Enter the number of employees: 2
Enter employee details (empno, name, depname, designation, age, salary):
101 ASHRAY SALES SUPERVISOR 28 45000
Enter employee details (empno, name, depname, designation, age, salary):
102 NAYANA IT MANAGER 30 58000

Enter the employee number to search: 102
```

Employee Number	Name	Department Name	Designation	Age	Salary
102	NAYANA	IT	MANAGER	30	58000

```
Enter the number of employees: 1
Enter employee details (empno, name, depname, designation, age, salary):
101 ASHRAY SALES SUPERVISOR 28 45000
Enter the employee number to search: 102
Employee not found.
```

Date of Submission	Signature of the Faculty
Remarks	