

# Output

## Ques 1 (A)

```
IDLE Shell 3.13.4
File Edit Shell Debug Options Window Help
Python 3.13.4 (tags/v3.13.4:8a526ec, Jun 3 2025, 17:46:04) [MSC v.1943 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.

>>> ===== RESTART: d:\Users\Abc\Documents\cs practical py.py =====
Stack after Push:
[1002, 'Senthil', 25000]
[1003, 'Anu', 26000]
[1004, 'Sneha', 35000]
[1005, 'Amar', 40000]

Pop operation:
[1005, 'Amar', 40000]
[1004, 'Sneha', 35000]
[1003, 'Anu', 26000]
[1002, 'Senthil', 25000]
Stack is Underflow

Stack after Pop:
Stack is empty
>>>
```

## Ques 1 (B)

```
IDLE Shell 3.13.4
File Edit Shell Debug Options Window Help
Python 3.13.4 (tags/v3.13.4:8a526ec, Jun 3 2025, 17:46:04) [MSC v.1943 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.

>>> ===== RESTART: d:\Users\Abc\Documents\cs practical py.py =====
Employee.dat file created successfully!

Contents of Employee.dat:
{'Empno': 101, 'Empname': 'ABC', 'Designation': 'Manager', 'Salary': 75000}
{'Empno': 102, 'Empname': 'BCD', 'Designation': 'Developer', 'Salary': 55000}
{'Empno': 103, 'Empname': 'CDE', 'Designation': 'Analyst', 'Salary': 45000}
>>>
```

## Ques 2.

```
MySQL 8.0 Command Line Client
mysql> Select Name,Salary from Employee where Department="Finance";
+-----+-----+
| Name | Salary |
+-----+-----+
| John Doe | 85000 |
| Alice Brown | 60000 |
| David Lee | 30000 |
+-----+
3 rows in set (0.00 sec)

mysql> Select* from Employee where YEAR(Date_of_Joining)=2023;
+-----+-----+-----+-----+-----+
| EmployeeID | Name | Department | Designation | Salary | Date_of_joining |
+-----+-----+-----+-----+-----+
| 2 | Jane Smith | IT | Developer | 75000 | 2023-03-10 |
| 5 | Charlie Davis | IT | Developer | 67000 | 2023-07-18 |
| 7 | David Lee | Finance | Intern | 30000 | 2023-06-01 |
+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> Select Department, SUM(Salary) AS TotalSalary from Employee GROUP BY Department;
+-----+-----+
| Department | TotalSalary |
+-----+-----+
| Finance | 175000 |
| IT | 142000 |
| HR | 142000 |
| Marketing | 72000 |
+-----+-----+
```

```
mysql> select*from employee where Salary > 60000;
+-----+-----+-----+-----+-----+
| EmployeeID | Name | Department | Designation | Salary | Date_of_joining |
+-----+-----+-----+-----+-----+
| 1 | John Doe | Finance | Manager | 85000 | 2020-05-15 |
| 2 | Jane Smith | IT | Developer | 75000 | 2023-03-10 |
| 5 | Charlie Davis | IT | Developer | 67000 | 2023-07-18 |
| 6 | Eva Green | Marketing | Coordinator | 72000 | 2022-02-12 |
| 8 | Maria White | HR | Manager | 92000 | 2017-08-30 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> -
```