**Employee Management System (Employee ID, Name, Department)**

**CODE**

# Employee Management System (Employee ID, Name, Department)

employees = [

(101, "Federico", "Order Team"),

(102, "Alice", "Customer Service"),

(104, "Flavio", "System Analyst"),

(105, "Carla", "Logistic"),

(106, "Alessandra", "Logistic"),

(107, "Rebecca", "Facility"),

(108, "David", "Logistic"),

(109, "Jimmy", "Management"),

(110, "Carlos", "Customer Service"),

(111, "Frank", "Order Team"),

]

while True:

print("\n1. Display Employee")

print("2. Search Employee")

print("3. Add Employee")

print("4. Remove Employee")

print("5. Exit")

choice = input("Enter your choice: ")

if choice == "1": # Display all employees

print("\nEmployee Records:")

print("-----------------")

for employee in employees:

print(f"ID: {employee[0]}, Name: {employee[1]}, Department: {employee[2]}")

print("-----------------\n")

elif choice == "2": # Search employee by ID

search\_id = input("Enter Employee ID to Search: ")

if search\_id.isdigit(): #isdigit is a function included in Python that looks for numbers

search\_id = int(search\_id)

found = False

for employee in employees:

if employee[0] == search\_id:

print(f"\nemployee Found: ID: {employee[0]}, Name: {employee[1]}, Department: {employee[2]}\n")

found = True

break

if not found:

print("\nemployee Not Found!\n")

else:

print("\nInvalid Input! Please enter a valid numeric ID.\n")

elif choice == "3": # Add a new employee

employee\_id = input("Enter Employee ID: ")

if employee\_id.isdigit():

employee\_id = int(employee\_id)

name = input("Enter Employee Name: ")

department = input("Enter Employee Department: ").upper()

employees.append((employee\_id, name, department)) # Append a new tuple

print("\nStudent Added Successfully!\n")

else:

print("\nInvalid Input! Employee ID must be a number.\n")

elif choice == "4": # Remove an employee

employee\_id = input("Enter Employee ID: ")

if employee\_id.isdigit():

employee\_id = int(employee\_id)

name = input("Enter Employee Name: ")

department = input("Enter Employee Department: ").upper()

employees.remove((employee\_id, name, department)) # Removed the tuple

print("\nStudent Removed Successfully!\n")

else:

print("\nInvalid Input! Employee ID must be a number.\n")

elif choice == "5": # Exit the program

print("Exiting Program...")

break

else:

print("\nInvalid Choice! Try Again.\n")

**OUTPUT**

1. Display Employee

2. Search Employee

3. Add Employee

4. Remove Employee

5. Exit

Enter your choice: 1

Employee Records:

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ID: 101, Name: Federico, Department: Order Team

ID: 102, Name: Alice, Department: Customer Service

ID: 104, Name: Flavio, Department: System Analyst

ID: 105, Name: Carla, Department: Logistic

ID: 106, Name: Alessandra, Department: Logistic

ID: 107, Name: Rebecca, Department: Facility

ID: 108, Name: David, Department: Logistic

ID: 109, Name: Jimmy, Department: Management

ID: 110, Name: Carlos, Department: Customer Service

ID: 111, Name: Frank, Department: Order Team

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1. Display Employee

2. Search Employee

3. Add Employee

4. Remove Employee

5. Exit

Enter your choice: 2

Enter Employee ID to Search: 102

employee Found: ID: 102, Name: Alice, Department: Customer Service

1. Display Employee

2. Search Employee

3. Add Employee

4. Remove Employee

5. Exit

Enter your choice: 3

Enter Employee ID: 112

Enter Employee Name: Karolina

Enter Employee Department: Logistic

Student Added Successfully!

1. Display Employee

2. Search Employee

3. Add Employee

4. Remove Employee

5. Exit

Enter your choice: 1

Employee Records:

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ID: 101, Name: Federico, Department: Order Team

ID: 102, Name: Alice, Department: Customer Service

ID: 104, Name: Flavio, Department: System Analyst

ID: 105, Name: Carla, Department: Logistic

ID: 106, Name: Alessandra, Department: Logistic

ID: 107, Name: Rebecca, Department: Facility

ID: 108, Name: David, Department: Logistic

ID: 109, Name: Jimmy, Department: Management

ID: 110, Name: Carlos, Department: Customer Service

ID: 111, Name: Frank, Department: Order Team

ID: 112, Name: Karolina, Department: LOGISTIC

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1. Display Employee

2. Search Employee

3. Add Employee

4. Remove Employee

5. Exit

Enter your choice: 4

Enter Employee ID: 112

Enter Employee Name: Karolina

Enter Employee Department: Logistic

Student Removed Successfully!

1. Display Employee

2. Search Employee

3. Add Employee

4. Remove Employee

5. Exit

Enter your choice: 1

Employee Records:

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ID: 101, Name: Federico, Department: Order Team

ID: 102, Name: Alice, Department: Customer Service

ID: 104, Name: Flavio, Department: System Analyst

ID: 105, Name: Carla, Department: Logistic

ID: 106, Name: Alessandra, Department: Logistic

ID: 107, Name: Rebecca, Department: Facility

ID: 108, Name: David, Department: Logistic

ID: 109, Name: Jimmy, Department: Management

ID: 110, Name: Carlos, Department: Customer Service

ID: 111, Name: Frank, Department: Order Team

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1. Display Employee

2. Search Employee

3. Add Employee

4. Remove Employee

5. Exit

Enter your choice: 5

Exiting Program...