

```
from fpdf import FPDF
```

```
# Define the Python code as a multi-line string
```

```
python_code = '''# Employee Directory System
```

```
def add_employee(directory):
```

```
    emp_id = input("Enter Employee ID: ")
```

```
    name = input("Enter Employee Name: ")
```

```
    department = input("Enter Department: ")
```

```
    email = input("Enter Email: ")
```

```
    employee = {
```

```
        "ID": emp_id,
```

```
        "Name": name,
```

```
        "Department": department,
```

```
        "Email": email
```

```
    }
```

```
    directory.append(employee)
```

```
    print("✔ Employee added successfully!¥¥n")
```

```
def display_employees(directory):
```

```
    if not directory:
```

```
        print("🚫 No employees found.¥¥n")
```

```
return
```

```
print("¥¥n📁 Employee Directory:")
```

```
for emp in directory:
```

```
    print(f"ID: {emp['ID']}, Name: {emp['Name']}, Department: {emp['Department']}, Email: {emp['Email']}")
```

```
print()
```

```
def search_employee(directory):
```

```
    if not directory:
```

```
        print("🔍 No employees to search.¥¥n")
```

```
        return
```

```
print("Search by:")
```

```
print("1. ID")
```

```
print("2. Name")
```

```
print("3. Department")
```

```
choice = input("Enter choice (1/2/3): ")
```

```
query = input("Enter search term: ").lower()
```

```
found = []
```

```
for emp in directory:
```

```
    if choice == '1' and query == emp["ID"].lower():
```

```
        found.append(emp)
```

```
elif choice == '2' and query in emp["Name"].lower():
```

```
    found.append(emp)
```

```
elif choice == '3' and query in emp["Department"].lower():
```

```
    found.append(emp)
```

```
if found:
```

```
    print("\n🔍 Search Results:")
```

```
    for emp in found:
```

```
        print(f"ID: {emp['ID']}, Name: {emp['Name']}, Department: {emp['Department']}, Email: {emp['Email']}")
```

```
else:
```

```
    print("❌ No matching employee found.")
```

```
print()
```

```
def main():
```

```
    directory = []
```

```
while True:
```

```
    print("===== Employee Directory =====")
```

```
    print("1. Add Employee")
```

```
    print("2. View All Employees")
```

```
    print("3. Search Employee")
```

```
    print("4. Exit")
```

```
    choice = input("Choose an option (1-4): ")
```

```

if choice == '1':
    add_employee(directory)

elif choice == '2':
    display_employees(directory)

elif choice == '3':
    search_employee(directory)

elif choice == '4':
    print("👋 Exiting Employee Directory. Goodbye!")
    break

else:
    print("⚠️ Invalid choice. Please try again.¥¥n")

```

```

if __name__ == "__main__":
    main()
'''

```

Create PDF

```

pdf = FPDF()

pdf.set_auto_page_break(auto=True, margin=15)

pdf.add_page()

pdf.set_font("Courier", size=10)

```

Add code lines to PDF

```

for line in python_code.split('¥n'):

```

```
pdf.cell(0, 5, txt=line, ln=True)
```

```
# Save the PDF
```

```
pdf.output("employee_directory_code.pdf")
```