Lab Assignment 14

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Topic: tuple

1.Write a python program and iterate the given tuples Input:
employee1 = ("John Doe", 101, "Human Resources", 60000)
employee2 = ("Alice Smith", 102, "Marketing", 55000)
employee3 = ("Bob Johnson", 103, "Engineering", 75000)

Ans:

```python
employee1 = ("John Doe", 101, "Human Resources", 60000)
employee2 = ("Alice Smith", 102, "Marketing", 55000)
employee3 = ("Bob Johnson", 103, "Engineering", 75000)

employee_records = [employee1, employee2, employee3]

print(f"Employee Records:{employee_records}")
for employee in employee_records:
    name, emp_id, department, salary = employee
    print(f"Name: {name}")
    print(f"Employee ID: {emp_id}")
    print(f"Department: {department}")
    print(f"Salary: ${salary}\n")
```

Output:

```
PS D:\python> python -u "d:\p
ython\tuple1.py"
Employee Records:[('John Doe'
, 101, 'Human Resources', 600
00), ('Alice Smith', 102, 'Ma
rketing', 55000), ('Bob Johns
on', 103, 'Engineering', 7500
0)]
Name: John Doe
Employee ID: 101
Department: Human Resources
Salary: $60000

Name: Alice Smith
Employee ID: 102
Department: Marketing
Salary: $55000

Name: Bob Johnson
Employee ID: 103
Department: Engineering
Salary: $75000

○ PS D:\python> []
```

2.Write a Python program to convert a list to a tuple. Input: listX = [5, 10, 7, 4, 15, 3]

Ans:

```
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17    listx = [5, 10, 7, 4, 15, 3]
18    tuple_new = tuple(listx)
19    print(tuple_new)
20    print(type(tuple_new))
```

output:

```
(5, 10, 7, 4, 15, 3)
<class 'tuple'>
PS D:\python>
```