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:

```
File Edit Selection View Go ···
                                                                                🕏 tuple1.py 🗴 🕞 🗘 🛚 …
                                                        fileCoverstion.py
                      ··· s.py 👶 starpatt.py
                             <code-block> tuple1.py > ...</code>
                                  employee1 = ("John Doe", 101, "Human Resources", 60000)
      recurfib.py
                                       employee2 = ("Alice Smith", 102, "Marketing", 55000)
      sample.txt
                                     employee3 = ("Bob Johnson", 103, "Engineering", 75000)
      <code-block> sampledict.py</code>
                                 5 employee_records = [employee1, employee2, employee3]
      e sortlist.py
      <code-block> spam.py</code>
                                  7 print(f"Employee Records:{employee_records}")
      <code-block> starpatt.py</code>
                                 8 for employee in employee_records:
      <code-block> str.py</code>
                                      name, emp_id, department, salary = employee
      stringMethods.py
                                         print(f"Name: {name}")
      👶 stringoccur.py
                                        print(f"Employee ID: {emp_id}")
print(f"Department: {department}")
print(f"Salary: ${salary}\n")
      🕏 sum.py
      e swap.py
      switchcase.py
```

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> hon 3.12.4 64-bit 🏻 Go Live 🗸 Prettier

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

Ans:

```
witchcase.py
tableproblem.py
tempCodeRunnerFil...
tuple1.py
userage.py
usernamepass.py
withoutparam.py
worddict.py

switchcase.py
tableproblem.py
tempCodeRunnerFil...
listx = [5, 10, 7, 4, 15, 3]
tuple_new = tuple(listx)
print(tuple_new)
print(tuple_new)
print(type(tuple_new))

worddict.py

switchcase.py
tableproblem.py
tuple1.py
tuple2.new
print(type(tuple_new))

switchcase.py
tableproblem.py
tuple1.py
tuple2.new
print(type(tuple_new))

switchcase.py
tuple3.new
tuple2.new
print(type(tuple_new))

switchcase.py
tuple3.new
tuple3.new
tuple3.new
tuple4.new
tuple4
```

output: