AI LAB 2

21K-3153

```
[1]  #Task1
     list = ['friend','foe','e']
     print(list[0],list[1],list[2])

     friend foe e
```

```
#Task2
inv = ['Quaid', 'Hitler','Gojo Satoru']
for i in range(len(inv)):
  print("Dear ", inv[i], ", you are cordially invited to dinner by yours truly")

Dear  Quaid , you are cordially invited to dinner by yours truly
Dear  Hitler , you are cordially invited to dinner by yours truly
Dear  Gojo Satoru , you are cordially invited to dinner by yours truly
```

```python
#Task3
#Hitler cannot make the dinner
i = inv.index('Hitler')
print(inv[i], " cannot make the dinner")
inv[i]= 'Goku'
print(inv[i], " will now be invited to dinner")
for i in range(len(inv)):
  print("Dear ", inv[i], ", you are cordially invited to dinner by yours truly")
```

```
Hitler  cannot make the dinner
Goku  will now be invited to dinner
Dear  Quaid , you are cordially invited to dinner by yours truly
Dear  Goku , you are cordially invited to dinner by yours truly
Dear  Gojo Satoru , you are cordially invited to dinner by yours truly
```

```python
[25] #Task4
    class Employee:
      "common base class for all employees"
      empCount=0
      def __init__(self, name, salary):
        self.name = name
        self.salary = salary
        Employee.empCount += 1
      def displayCount(self):
        print("Total Employee %d" % Employee.empCount)
      def displayEmployee(self):
        print("Name :", self.name, " Salary", self.salary)
```

```python
emp1 = Employee("Zara", 2000)
emp2 = Employee("Manni", 5000)
emp1.displayEmployee()
emp2.displayEmployee()
print("Total Employees: ",Employee.empCount)
```

```
Name : Zara  Salary 2000
Name : Manni  Salary 5000
Total Employees:  2
```

Task 5:
Tic Tac Toe Robot:
goal based, fully observable, deterministic, sequential, static, discrete, multi-agent,