

# **ARTIFICIAL INTELLIGENCE LAB - EXP1**

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Section: O2

## **Implementation of toy problem:**

### **1. Camel and Banana Problem**

#### **CODE:**

```
total=int(input("Enter Number of Bananas:"))
distance=int(input("Enter the distance:"))
load_capacity=int(input("Enter the load capacity:\n"))
lose=0
start=total
for i in range(distance):
    while start>0:
        start=start-load_capacity

        if start==1:
            lose=lose-1

        lose=lose+2

    lose=lose-1
    start=total-lose
    if start==0:
        break
print(start)
```

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        if start==1:
            lose=lose+1

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    lose=lose-1
    start=total-lose
    if start==0:
        break
print(start)
```

Enter Number of Bananas:3000  
Enter the distance:1000  
Enter the load capacity:1000  
533