## Lab report: TC1- AI/ML

## • Monkey Ladder

o Code:

```
# TC1_LAB4
# SIA VASHIST_ 20190802107
# Monkey Ladder Problem

def climbStairs(N):
    if N < 2:
        return 1
    else:
        return climbStairs(N - 1) + climbStairs(N - 2)

steps = int(input("Enter the number of steps: "))
ways = climbStairs(steps)
print("There are " + str(ways) + " distinct ways to climb a staircase of " + str(steps) + " steps when climbing up one or two steps at a time.")</pre>
```

## • Output:

