

## Lab 2

### 1 – departure arrival time

```
departure_time = input("Enter the departure time (hh:mm): ")
arrival_time = input("Enter the arrival time (hh:mm): ")

departure_hours, departure_minutes = departure_time.split(":")
arrival_hours, arrival_minutes = arrival_time.split(":")
departure_hours = int(departure_hours)
departure_minutes = int(departure_minutes)
arrival_hours = int(arrival_hours)
arrival_minutes = int(arrival_minutes)
trip_time_in_minutes = (arrival_hours - departure_hours) * 60 +
    (arrival_minutes - departure_minutes)

trip_hours = trip_time_in_minutes // 60
trip_minutes = trip_time_in_minutes % 60

print("The trip time is:", trip_hours, "hours and", trip_minutes, "minutes.")
```

### 2 – sum of odd even numbers

```
N = int(input("Enter the number of numbers to read: "))
numbers = []
for i in range(N):
    numbers.append(int(input("Enter a number: ")))

sum_odd = 0
sum_even = 0
for number in numbers:
    if number % 2 == 1:
        sum_odd += number
    else:
        sum_even += number
```

```
print("The sum of the odd elements is:", sum_odd)
print("The sum of the even elements is:", sum_even)
```

### 3 – summation of the numbers

```
N = int(input("Enter a number: "))

if N < 0:
    print("The number is negative.")

else:
    sum = 0
    for i in range(1, N+1):
        sum += i
    print("The summation of the numbers from 1 to N is:", sum)
```