**Task 7 : Python Functions**

**Q4. Train Ticket Reservation**

A train has 100 seats. Write a function that checks if a booking is possible given seats left and tickets requested.

**Answer:**

def book\_tickets(seats\_left, tickets\_requested):

if tickets\_requested <= seats\_left:

return f"Booking Successful! Seats left: {seats\_left - tickets\_requested}"

else:

return "Not enough seats available."

print(book\_tickets(20, 5)) # Booking Successful! Seats left: 15

print(book\_tickets(3, 5)) # Not enough seats available.

**Q5. Student Rank Finder**

Write a function that finds the student with the highest marks.

**Answer:**

def top\_student(marks):

return max(marks, key=marks.get)

students = {"Arun": 85, "Meera": 92, "Kumar": 78}

print(top\_student(students)) # Meera

**Q6. ATM Withdrawal**

Write a function that simulates an ATM withdrawal and returns the new balance or an error message.

**Answer:**

def atm\_withdraw(balance, amount):

if amount <= balance:

return f"Withdrawal Successful! New Balance: {balance - amount}"

else:

return "Insufficient funds"

print(atm\_withdraw(5000, 2000)) # Withdrawal Successful! New Balance: 3000

print(atm\_withdraw(3000, 5000)) # Insufficient funds