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Python Assignment : 3

```python
import re

def check_ticket(ticket):
    """
    Checks if the ticket status is valid.
    """
    try:
        ticket_no = input("Enter the ticket number: ")
        if not re.match(r'^\d+$', ticket_no):
            raise ValueError("Ticket number should only contain digits.")
        return ticket.get('status') == 'valid'
    except ValueError as e:
        print(f"Error: {e}")
        return False

def covid_check(passenger):
    """
    Checks if the passenger meets COVID-19 requirements.
    """
    try:
        if passenger['covid_test_result'] not in ['negative', 'positive']:
            raise ValueError("Invalid COVID test result.")
        if not isinstance(passenger['vaccinated'], bool):
            raise ValueError("Vaccination status should be a boolean.")
        return passenger['covid_test_result'] == 'negative' and passenger['vaccinated']
    except ValueError as e:
        print(f"Error: {e}")
        return False

def visa_check(passenger):
    """
    Checks if the passenger's visa status is valid.
    """
    try:
        if passenger['visa_status'] != 'valid':
            raise ValueError("Visa status is invalid.")
        return True
    except ValueError as e:
        print(f"Error: {e}")
        return False

def luggage_check(weight):
```

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    """
    Checks if the luggage weight is under the limit.
    """
    try:
        if not isinstance(weight, (int, float)):
            raise ValueError("Luggage weight must be a number.")
        if weight < 0:
            raise ValueError("Luggage weight cannot be negative.")
        return weight < 15
    except ValueError as e:
        print(f"Error: {e}")
        return False

def main():
    """
    Main function to handle the airport check process.
    """
    print("Welcome to Chennai Airport")

    # Ticket Check
    ticket = {'status': 'valid'}
    if check_ticket(ticket):
        print("Ticket is valid. You are eligible to travel.")
    else:
        print("Invalid ticket. You cannot travel.")
        return

    # COVID-19 Check
    print("COVID-19 Check")
    passenger = {
        'name': 'John Doe',
        'covid_test_result': 'negative',
        'vaccinated': True,
        'symptoms': False
    }
    if covid_check(passenger):
        print(f"Passenger {passenger['name']} meets COVID-19 requirements. You are
eligible to travel.")
    else:
        print(f"Passenger {passenger['name']} does not meet COVID-19 requirements.
You cannot travel.")
        return

    # Visa Check
    print("Visa Check")
    passenger['visa_status'] = 'valid'
    if visa_check(passenger):
        print(f"Passenger {passenger['name']} has a valid visa. You are eligible to
travel.")
    else:
```

```python
        print(f"Passenger {passenger['name']} does not have a valid visa. You cannot
travel.")
        return

    # Luggage Check
    print("Luggage Check")
    luggage_weight = 12.5
    if luggage_check(luggage_weight):
        print(f"Luggage weight is under the limit. You are eligible to travel.")
    else:
        print("Luggage weight exceeds the limit. You cannot travel.")
        return

    print("All documents have been verified. Congratulations! You are able to travel.")

if __name__ == "__main__":
    main()
```

Output: