Transactions In Laundramat2 Services

- 1. Non Conflicting Transactions
 - a. Place Order and Make Payment

```
Transaction 1: Place Order and Make Payment
def place order and make payment(customer id, service type,
amount):
   try:
       conn = create connection()
       cursor = conn.cursor()
        cursor.execute("INSERT INTO orders (Amount, Type,
                       (amount, service type, customer id))
                       (amount, customer id))
       conn.commit()
        print("Order placed and payment made successfully.")
        print(f"Error: {err}")
       conn.rollback()
        if conn.is connected():
           conn.close()
```

b. View Available Services and Discounts

```
# Transaction 2: View Available Services and Discounts
def view_services_and_discounts():
    try:
        conn = create_connection()
        cursor = conn.cursor()

        cursor.execute("SELECT * FROM profile")
        services = cursor.fetchall()
```

c. Add Feedback for Completed Order

```
conn.close()
```

d. Send Notification for Low Inventory

```
def send notification for low inventory(service type):
   try:
        conn = create connection()
       cursor = conn.cursor()
 %s", (service type,))
        order count = cursor.fetchone()[0]
        if order count <= 5:</pre>
            cursor.execute("INSERT INTO notification (UserID,
                            (1, f"Low inventory for service:
[service type]"))
        conn.commit()
        print("Notification sent for low inventory.")
        print(f"Error: {err}")
        conn.rollback()
        if conn.is connected():
            conn.close()
```

2. Conflicting Transactions

a. Place Order and Deduct Inventory

```
# Transaction 1: Place Order and Deduct Inventory
def place_order_and_deduct_inventory(customer_id,
    service_type, amount):
    try:
        conn = create_connection()
        cursor = conn.cursor()
```

b. View Available Services and Inventory

```
def view_services_and_inventory():
    try:
        conn = create_connection()
        cursor = conn.cursor()

        cursor.execute("SELECT * FROM profile")
        services = cursor.fetchall()

        cursor.execute("SELECT Type, InventoryCount FROM
services")
        inventory = cursor.fetchall()
        conn.commit()

        print("Available Services:")
        for service in services:
            print(service)
        print("\nInventory Count:")
        for item in inventory:
            print(item)
```

```
except mysql.connector.Error as err:
    print(f"Error: {err}")
    conn.rollback()

finally:
    if conn.is_connected():
        conn.close()
```