```
class BankAccount:

    def __init__(self, account_number,
account_holder_name, initial_balance=0):

        self.__account_number = account_number

        self.__account_holder_name =
account_holder_name

        self.__account_balance = initial_balance



    def deposit(self, amount):

        if amount > 0:

            self.__account_balance += amount

            print(f"Deposited {amount} units. New balance:
{self.__account_balance}")

        else:

            print("Deposit amount must be greater than
zero.")



    def withdraw(self, amount):

        if 0 < amount <= self.__account_balance:

            self.__account_balance -= amount
```

```
            print(f"Withdrew {amount} units. New balance:
{self.__account_balance}")

        else:

            print("Withdrawal amount must be greater than
zero and less than or equal to the account balance.")



    def display_balance(self):

        print(f"Account Holder:
{self.__account_holder_name}")

        print(f"Account Number:
{self.__account_number}")

        print(f"Account Balance:
{self.__account_balance}")




# Testing the BankAccount class

if __name__ == "__main__":

    account = BankAccount("1234567890", "John Doe",
1000)
```

```
    account.display_balance()  # Should display the
initial balance



    account.deposit(500)  # Depositing 500 units

    account.withdraw(200)  # Withdrawing 200 units



    account.display_balance()  # Should display the
updated balance after transaction
```