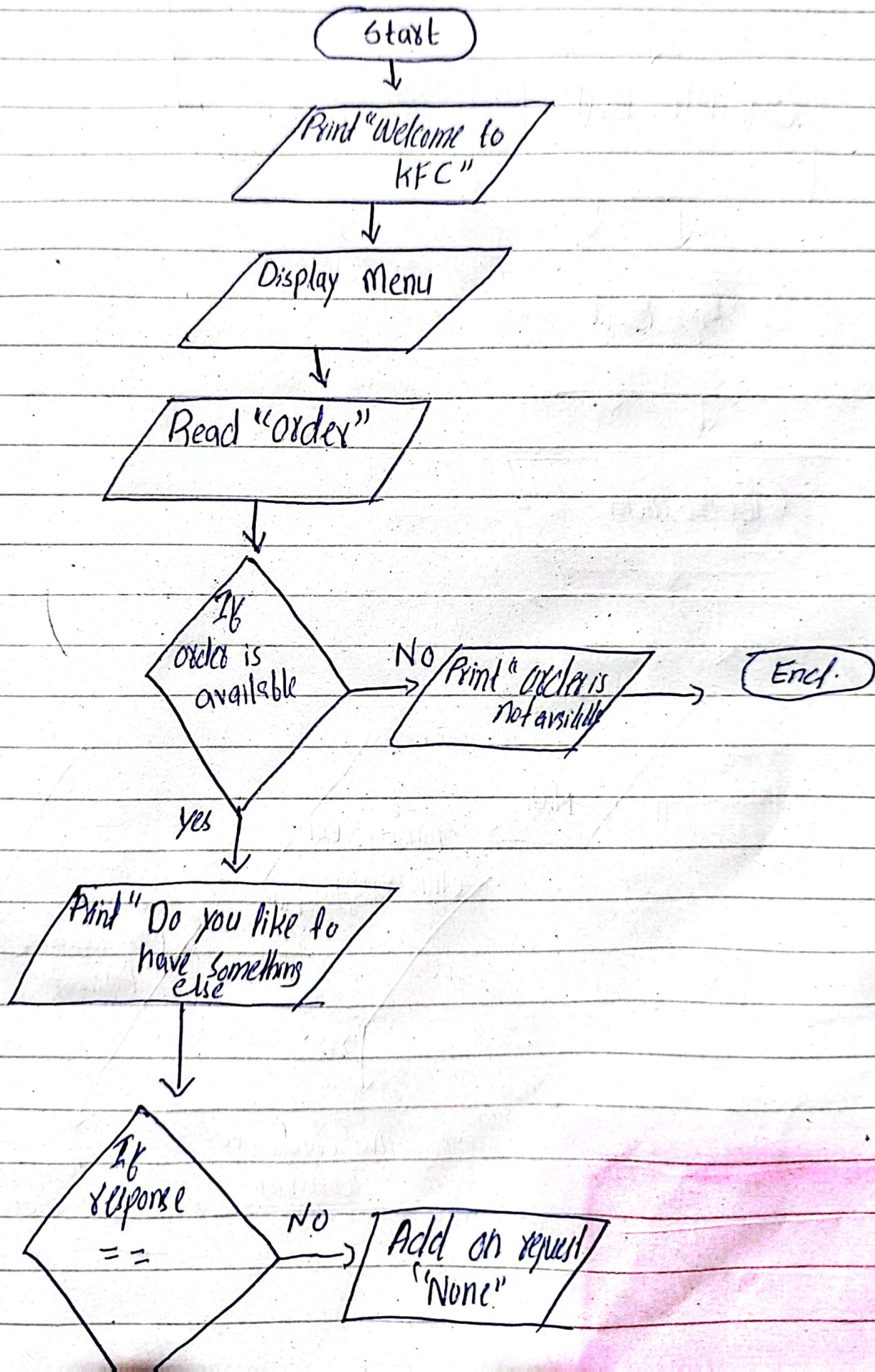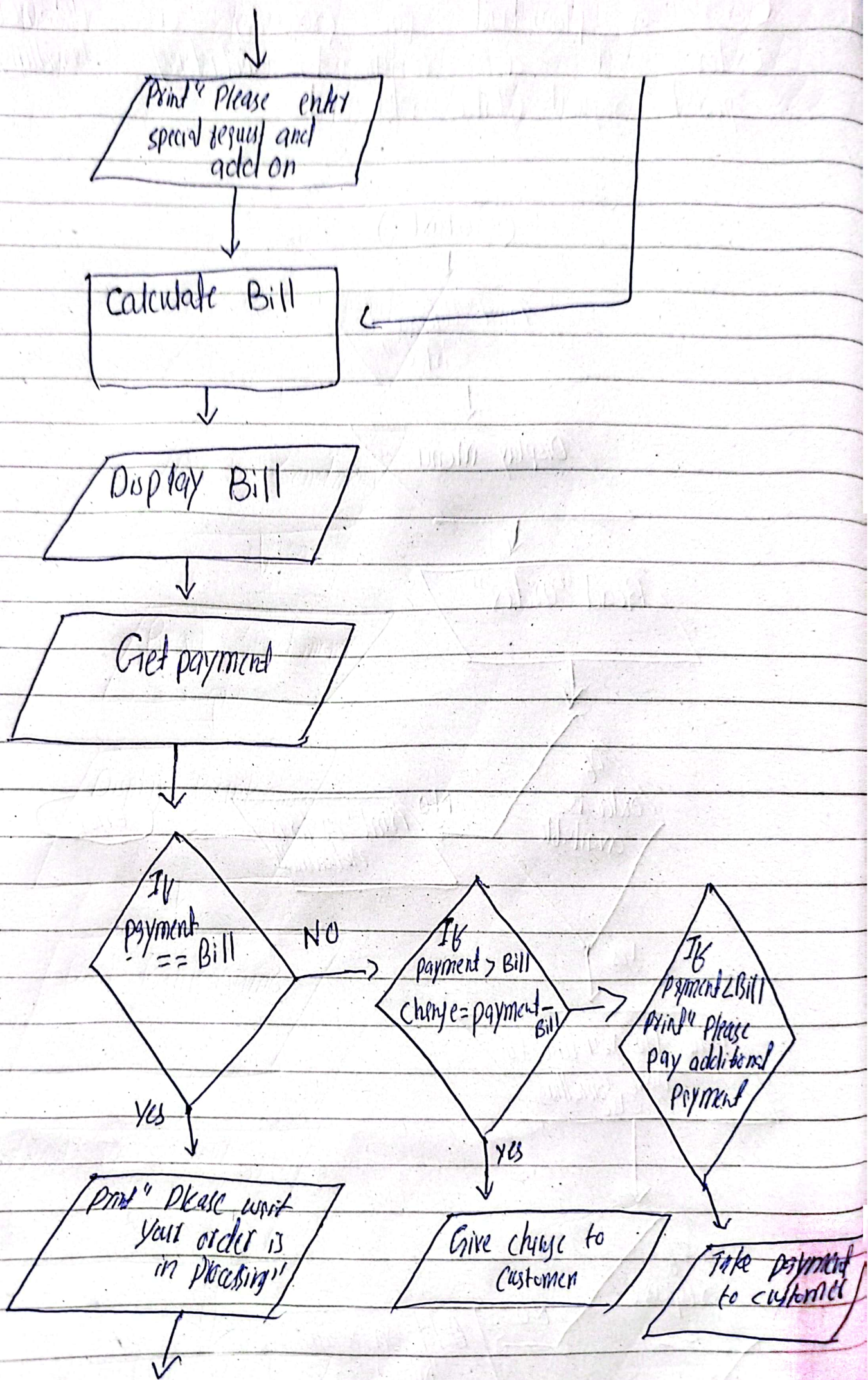**1.** Draw a flowchart for processing a customer order at a resturent, including handling special request (Like add on).
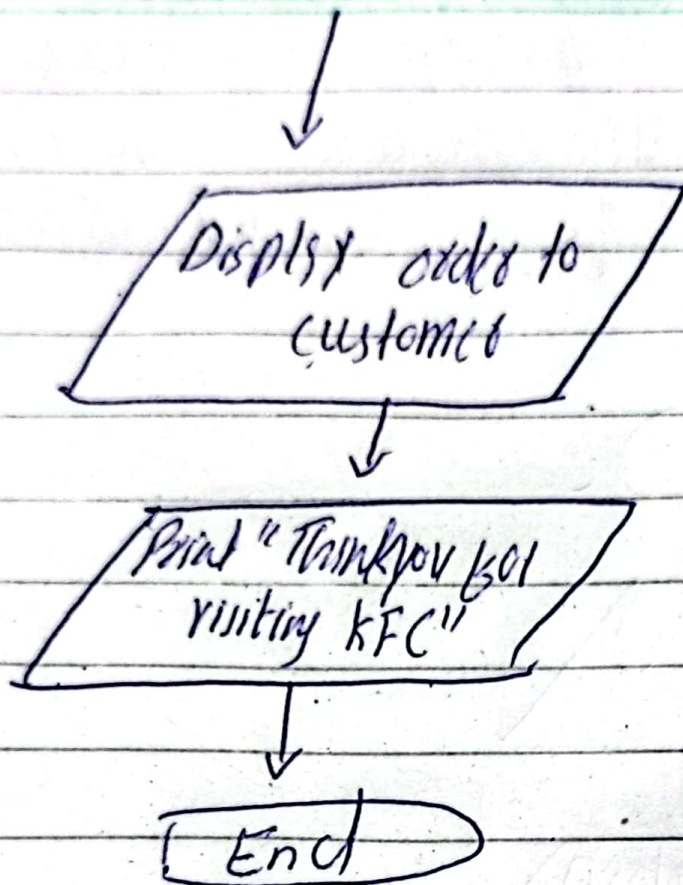
```
                    ( Start )
                        |
                        v
              / Print "Welcome to /
             /      KFC"         /
                        |
                        v
             / Display Menu /
                        |
                        v
            / Read "order" /
                        |
                        v
                      / If \
                     / order is \      No    / Print "order is /        ( End. )
                     \ available / ------->  /  not avsilble  / ------->
                      \   /
                        |
                      yes
                        |
                        v
        / Print "Do you like to /
       /  have something       /
      /          else         /
                        |
                        v
                     / If \
                    / response \     No     / Add on request /
                    \    ==    / ------->   /     "None"     /
                     \   /
```

Print " Please enter special request and add on

↓

Calculate Bill

↓

Display Bill

↓

Get payment

↓

If payment == Bill

— NO → If payment > Bill change = payment − Bill

→ If payment < Bill print " Please pay additional payment

Yes ↓

Print " Please wait your order is in processing"

Yes ↓

Give change to customer

↓

Take payment to customer

```
        ↓
   ┌──────────────────┐
   │ Display order to │
   │    customer      │
   └──────────────────┘
            ↓
   ┌──────────────────┐
   │ Print "Thankyou for│
   │   visiting KFC"   │
   └──────────────────┘
            ↓
   ( End )
```
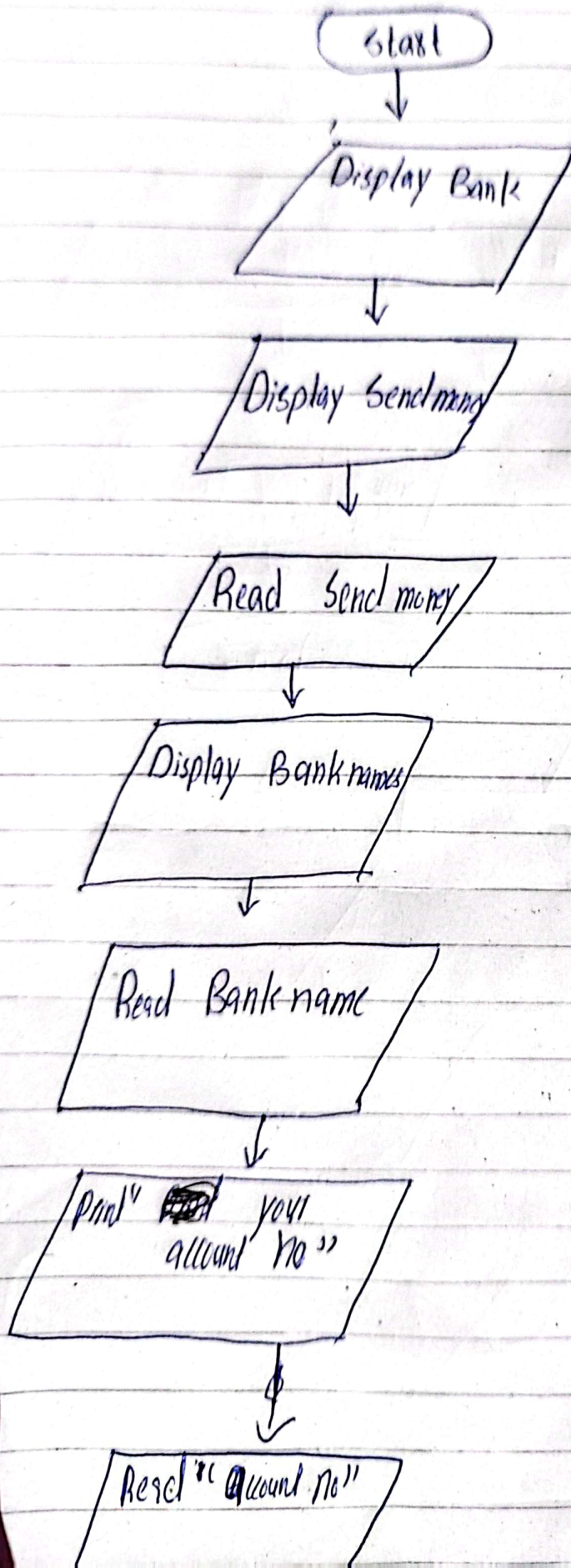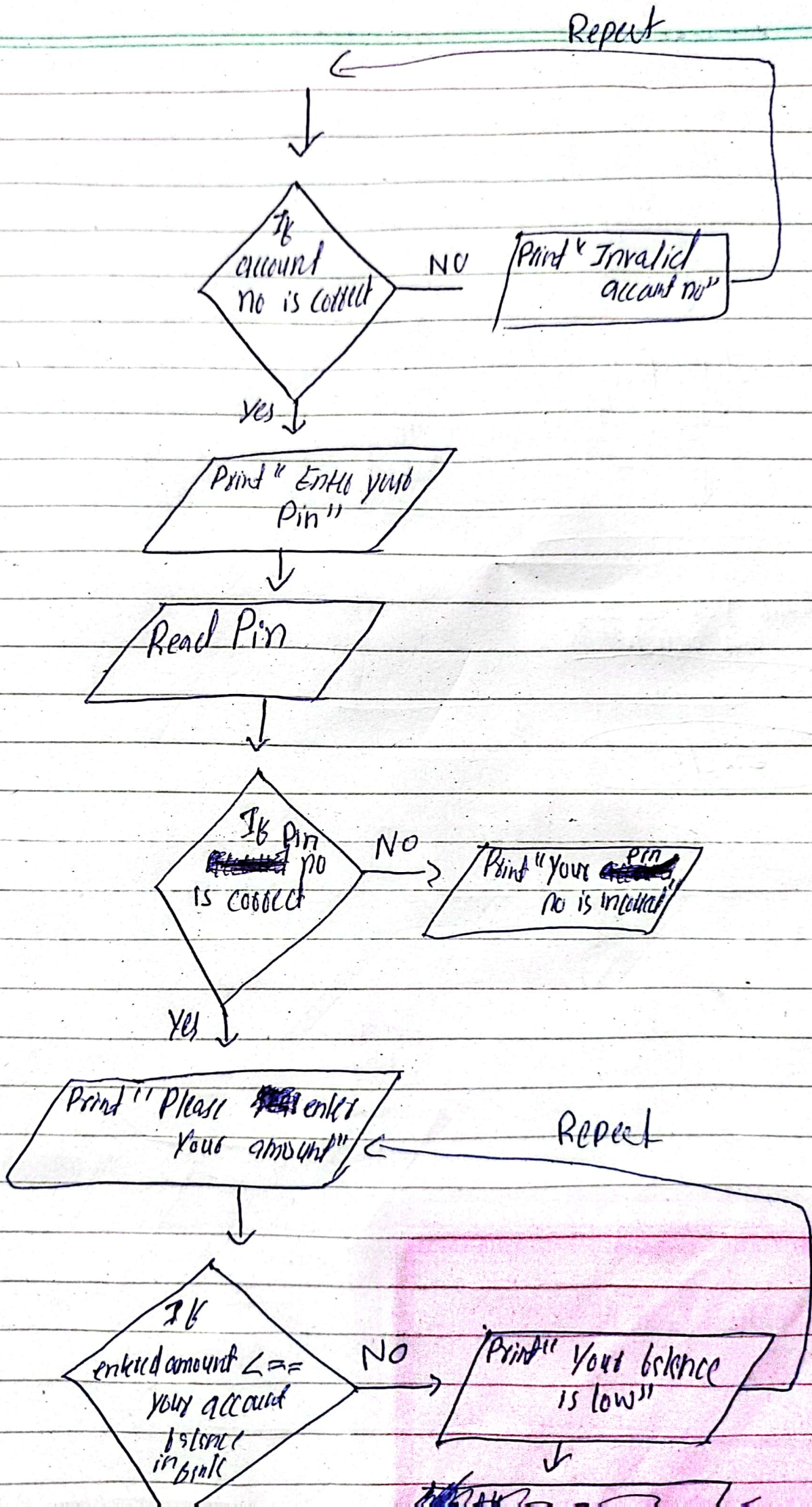
2/ Design a flow chart for handling a customer's deposit transaction at a bank including checks for account validity and deposit amount condition.

```
                    ( Start )
                        |
                        v
              ┌───────────────────┐
             / Display Bank       /
            └───────────────────┘
                        |
                        v
              ┌───────────────────┐
             / Display Send money /
            └───────────────────┘
                        |
                        v
              ┌───────────────────┐
             / Read  Send money   /
            └───────────────────┘
                        |
                        v
              ┌───────────────────┐
             / Display Bank names /
            └───────────────────┘
                        |
                        v
              ┌───────────────────┐
             / Read Bank name     /
            └───────────────────┘
                        |
                        v
              ┌───────────────────┐
             / Print "Enter your  /
            /  account No "       /
            └───────────────────┘
                        |
                        v
              ┌───────────────────┐
             / Read " Account no "/
            └───────────────────┘
```

Repeat

If account no is correct --- NO ---> Print "Invalid account no"

yes ↓

Print "Enter your Pin"

↓

Read Pin

↓

If Pin no is correct --- NO ---> Print "Your Pin no is incorrect"

Yes ↓

Print "Please enter Your amount" <--- Repeat

↓

If entered amount <== your account balance in bank --- NO ---> Print "Your balance is low"

yes ↓

Print " Please wait Your transaction is on processing
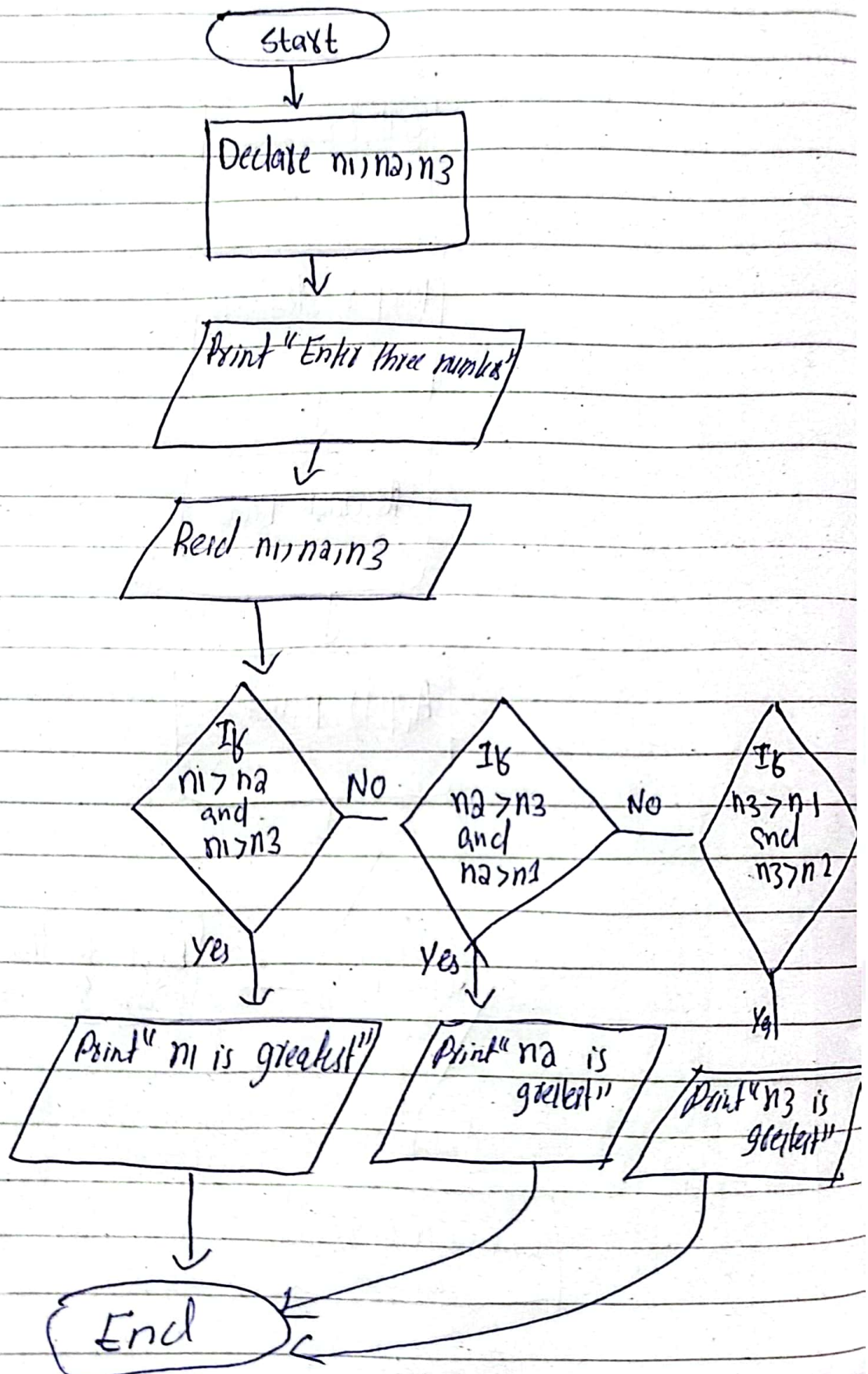
↓

Print " deposited Successfully "

↓

Print " Thank you for using our branch "

↓

End.

Design a Flow chart to determine which of three provided numbers is the greatest.

Start
↓
Declare n1, n2, n3
↓
Print "Enter three numbers"
↓
Read n1, n2, n3
↓

If n1 > n2 and n1 > n3 — **No** → If n2 > n3 and n2 > n1 — **No** → If n3 > n1 and n3 > n2

If n1 > n2 and n1 > n3 → **Yes** → Print "n1 is greatest"

If n2 > n3 and n2 > n1 → **Yes** → Print "n2 is greatest"

If n3 > n1 and n3 > n2 → **Yes** → Print "n3 is greatest"

→ End

4) Design a flow chart with proper process modules and decision structures to replicate a pipe line production.

```
        ( Start )
            |
            v
    +-----------------+
    | Collect resources|
    +-----------------+
            |
            v
    +-----------------+
    | Prepare structure|
    +-----------------+
            |
            v
    +-----------------+
    | Assemble plots  |
    +-----------------+
            |
            v
    +-----------------+
    | Apply print     |
    +-----------------+
            |
            v
          /  \
         / If  \     No      +-------------+
        < Print is >-------> | Back to the | ---> ( End )
         \  OK  /            | factory     |
          \   /              +-------------+
            |
           Yes
            |
            v
    +-----------------+
    | Give car to the |
    |   Showroom      |
    +-----------------+
            |
            v
         ( End )
```