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DEFINE  inventory AS HashMap<String, Integer> // Structure to store inventory items

FUNCTION addItem():
   name <- read item name
   quantity <- read quantity

   IF inventory has name:
      inventory[name] += quantity
   ELSE:
      inventory[name] = quantity

FUNCTION updateQuantity():
   name <-  read item name
   quantity<- read quantity to add or remove // to remove give negative value

   IF quantity<=-1 and quantity*-1>inventory[name]:
         PRINT “available quantity is less”
   IF inventory has name:
         inventory[name] += quantity
   ELSE:
         PRINT "Item not found"

FUNCTION generateReport():
   FOR each i in inventory:
      PRINT item name and inventory[i]

FUNCTION main():
   WHILE TRUE:
      PRINT "1. Add item"
      PRINT "2. Update quantity"
      PRINT "3. Generate report"
      PRINT "4. Exit"
      PRINT "Enter your choice: "
      choice <- read user input

      SWITCH choice:
         CASE "1":
            addItem()
            BREAK
         CASE "2":
            updateQuantity()
            BREAK
         CASE "3":
            generateReport()
```

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    BREAK
CASE "4":
    RETURN
DEFAULT:
    PRINT "Invalid choice, please try again"
```