Flowchart 2

START

END

PAYMENT

READ

PRICE

NO

NO

YES

YES

OUTPUT “Thank you for your purchase. Please visit again”

OUTPUT “Insufficient funds, try again”

Is payment > total?

Change = payment - total

OUTPUT “Thank you for your purchase. Please visit again”

Is payment == total?

EXIT

INPUT “Please pay for your purchase”, payment

PAYMENT

PRICE

INPUT “Enter number of items you would like to buy”, Qty

EXIT

OUTPUT “Your total is”, total

Total = price \* Qty

(The third module READ is on the last page. I can’t seem to bring it back up, so you will have to scroll down to view it)

Flowchart 1

START

RECEIVE

SORT

Deliver the package

OUTPUT “Your package has been delivered”

END

SORT

RECEIVE

NO

Is this a fragile item?

INPUT “Enter the package that is to be received”, package

YES

OUTPUT “This item needs to be carefully; this is a fragile item.”

EXIT

YES

NO

OUTPUT “This item needs to be delivered urgently”

Does this item require urgent delivery?

EXIT

Pseudocode 1:

INPUT Num1

INPUT Num2

INPUT Num3

IF Num1 < Num2 AND Num1 < Num3:

THEN

OUTPUT Num1, “is the smallest”

ELSE

IF Num2 < Num3 AND Num2 < Num1:

THEN

OUTPUT Num2, “is the smallest”

ELSE

OUTPUT Num3, ‘is the smallest”

Pseudocode 3:

INPUT “Enter first number”, Num1

INPUT “Enter second number”, Num2

INPUT “Enter the operator you want to apply on the numbers ( / or \* )”, Operator

IF Operator == ‘\*’:

THEN

Ans = Num1 \* Num2

ELSE

Ans = Num1 / Num2

OUTPUT “Your answer is”, Ans

Algorithm 1:

1. Ask the user to enter Number
2. Set Count to 0
3. Set x to 2
4. If (Number <= 1), print “It is not a prime number”
5. Set Remainder to (Number % x)
6. Set x to (x+1)
7. Keep on looping till x is equal to Number
8. If Remainder is not equal to 0, print “It is not a prime number”
9. If the Remainder is equal to 0, print “It is a prime number”

Algorithm 2:

1. Ask the user to enter the day number from 1 to 365 inclusive in the variable DayNum
2. Set Remainder to (DayNum % 7)
3. If Remainder is equal to 1, print “Monday”
4. If Remainder is equal to 2, print “Tuesday”
5. If Remainder is equal to 3, print “Wednesday”
6. If Remainder is equal to 4, print “Thursday”
7. If Remainder is equal to 5, print “Friday”
8. If Remainder is equal to 6, print “Saturday”
9. If Remainder is equal to 0, print “Sunday”

Algorithm 3:

1. Ask the user to enter a big number, Number1
2. Ask the user to enter a small number, Number2
3. Set Remainder to (Number1 % Number2)
4. If Remainder is 0, set GCD to Number2
5. If Remainder is greater than 0, set Number1 to Number2

and set Number2 to Remainder

1. Repeat till Remainder becomes 0
2. Print GCD

OUTPUT “Product available. The price per product is”, price

NO

YES

EXIT

OUTPUT “Invalid product, please try again”

READ

INPUT Item

Is Item in the database?