Pf lab\_02

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24k-0535 (section J)

Flowchart

Q1

Receive the package order

True

Is delivery Urgent

Deliver first

False

True

Care must be taken

Fragile item

False

Sort packages

Dispatch order

Q2

Repeat Repeat

Read product you want

Read

False

If Product is valid ?

Print

Enter valid output

Until no input

False



True

True



Read payment

False

If Payment is received

Payment not received

True

Provide the item to user

Pseudocode

Q1

START

SET SMALLEST TO 0

INPUT NUM1, NUM2, NUM3

IF NUM1 < NUM2 AND NUM1 < NUM3 THEN

SMALLEST= NUM1

ELSEIF NUM2 < NUM1 AND NUM2 < NUM3 THEN

SMALLEST= NUM2

ELSE

SMALLEST= NUM3

PRINT SMALLEST

Q3

START

SET MULTIPLICATION TO ‘ \* ’

SET DIVISION TO ‘ / ’

SET OPERATOR TO ‘ ’

ANSWER

INPUT NUM1

INPUT NUM 2

IF OPERATOR = / THEN

IF NUM 2= 0 THEN

PRINT “ERROR”

ELSE

ANSWER=NUM1/NUM2

ELSE

ANSWER=NUM1\*NUM2

PRINT ANSWER

Algorithm

Q1

1.Ask the user to enter Number  
2.Check if number is less than 2, so display not a prime number  
3.start a loop from 2 to square root of number  
4.loop will check if number divisible by 2, up to the sqr root of number  
5.if number is divisible so display prime number  
6.if loop is over so display not a prime a number

Q2

1.Store the days of week in an array  
2.Ask the user to enter the day number  
3. Set index to (day number-1)/7  
4.Display the day of week store in an array, according to index  
  
Q3

1.Ask the user to enter the first number.  
2. Ask the user to enter the second number.  
3. Set a While loop with the statement second number is not equal to zero.  
4. In the loop set a temporary variable to store the value of the second number.  
5. Set the second number to the remainder of the first number divided by the second number.  
6. Store the first number in the temporary variable.  
7. Display the first number as the Greatest Common Divisor (GCD) to the user.