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lab task o2: 24k-0624

Class task:

WRONG

PRINT WRONG

TRUE

START

END

IF INPUT IS INETEGER.

INPUT

READ VARIABLE

start

Flow chart

Prblem1:

no

yes

false

yes

yes

false

Print order failed

end

Make it as delivered and update the system

If the delivery is successful

Prioritize for the next available shipment

Load packages on the delivery vehicle and deliver it

Check if the order is urgent

Sort package based on their destination

Apply fragile sticker and move to sorting area

If the order is fragile

Process:

Receiving orders

Input:

order

**START**

PROBLEM 2:

end

true

FALSE

FALSE

**INSUFFIECIENT PAYMENT**

TRUE

**ORDER INVALID**

**OUTPUT: DISPENSING THE SELECTED ITEMS**

**IF THE AMOUNT IS COMPLETELY PAID**

**PROCESS PAYMENT**

**IF THE SELECTION IS BETWEEN 1 AND 4**

**READ INPUT**

Pseudo code:

Q1:

Start

Set num1 , num2 and num3

IF num1<num2 an num1<num3 then

Print “num1 1, the smallest”

ELSE IF num2<num3 and num2<num3 then

Print “num2 1, the smallest”

ELSE

Print “num3 1< the smallest”

END

Q3:

Start

Input num 1

Input num 2

IF operator== “\*” then

Result = number1 \*number2

Print “RESULT:” , result

ELSE IF operator == “/” then

IF number 2 == 0 then

Print “math error”

ELSE IF

Result = number1/number2

Print “ Result;” , result

ELSE

Print “ invalid operator. Please enter \*or /”

END

Algorithims:

Q1:

1. Start
2. Take a number n as an input
3. If n=2,output “prime number”
4. Set divisor equal to 2
5. While divisor ≤ n-1
6. If the remainder is zero then output the number is not prime
7. Otherwise, increment divisor by 1
8. If any divisor is not found , output the number is prime
9. Display output
10. end

Q2:

start

1. Input day number (1-365)

2. Calculate remainder day of week =( day number-1)% 7

3. Determine day of week:

- r = 0 => Monday

- r = 1 => Tuesday

- r = 2 => Wednesday

- r = 3 => Thursday

- r = 4 => Friday

- r = 5 => Saturday

- r = 6 => Sunday

4. Output day of week

end

Q3:

Start

Enter number 1=a

Enter number 2 =b

While b is not zero

Replace a with b

Replace b with a %b(remainder of a divided by b)

When b=0 , a is the GCD

Output the GCD

Display output

end