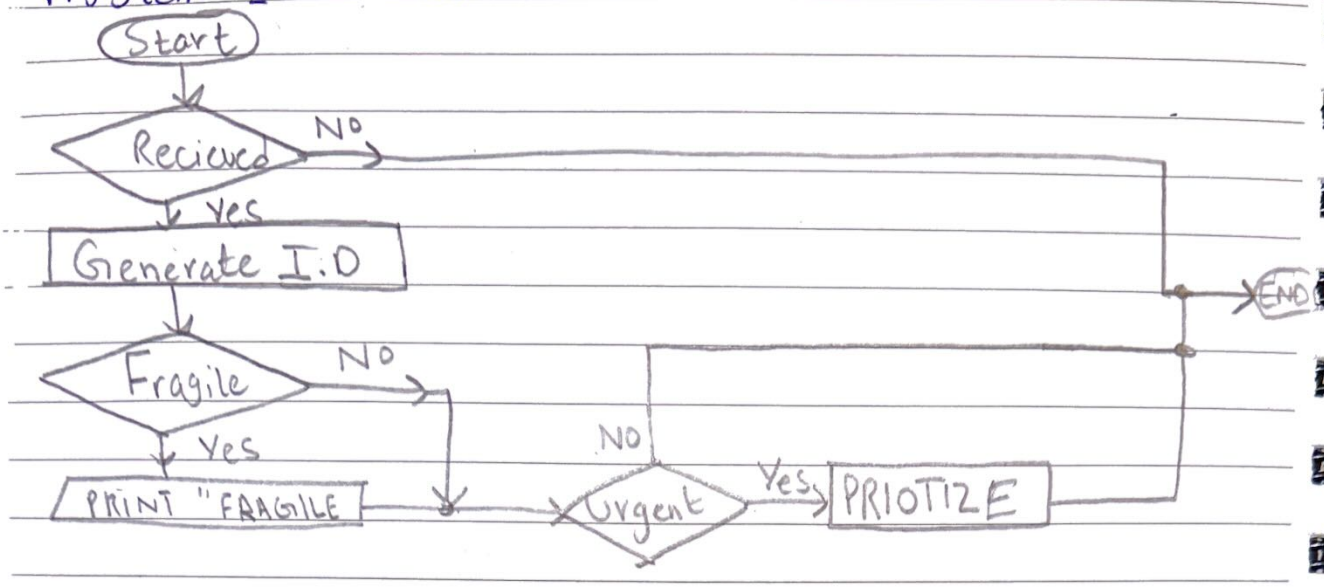
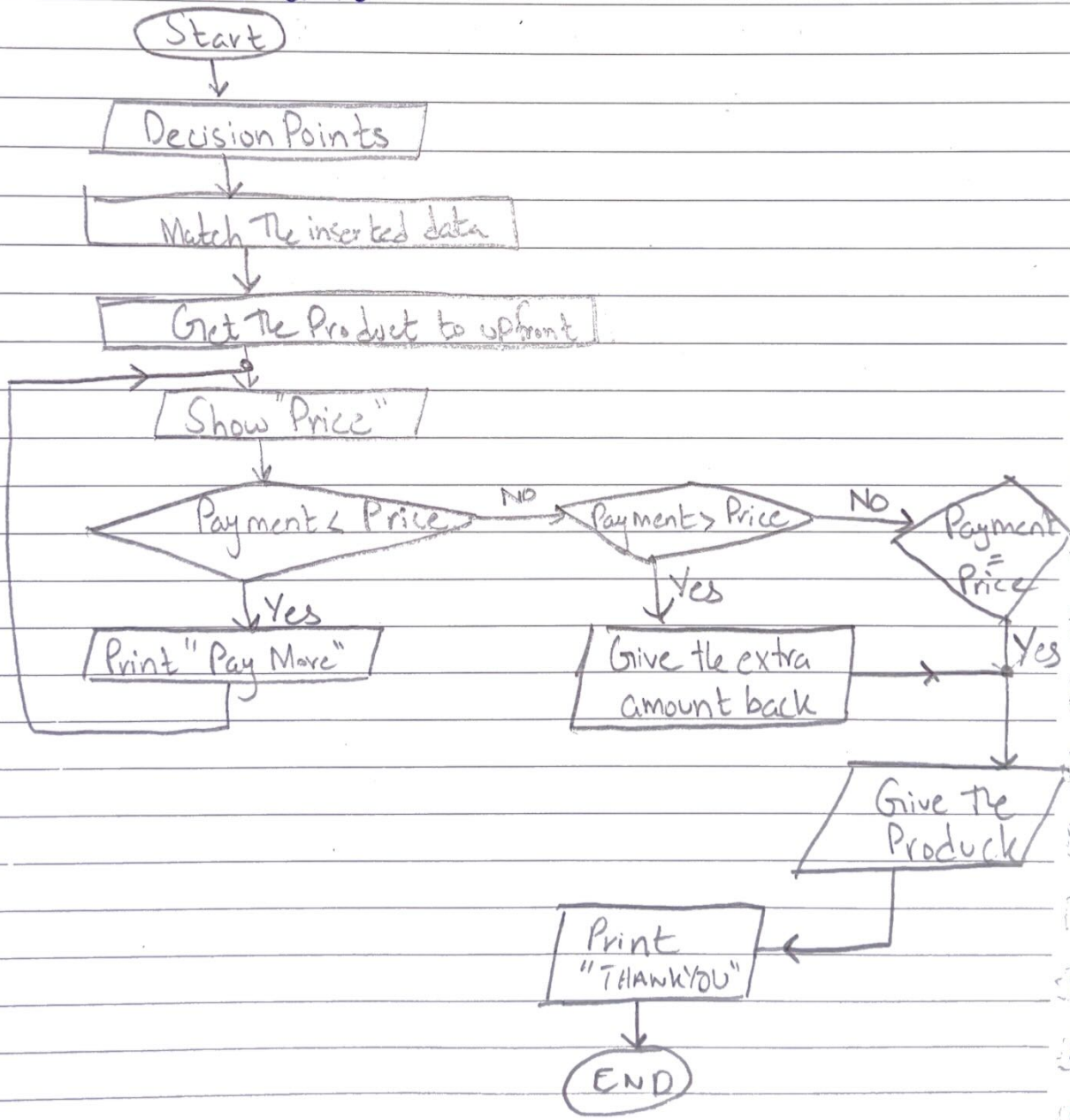
Taha Tofique
24k-0488

# P.F → LAB Assignment #2

## Problem 1: FlowChart:




## Problem 2: FlowChart:



Taha Tofique
24k-0481

## Problem 3: Algorithm :

. Input a Number
. "Number" % "Value" "value" start from 2 and goes till "number" > "value"
. If Number % Value = 0, then print " Not a Prime Number"
. If Number % Value ≠ 0, then print " A Prime Number"

## Problem 4: Algorithm:

. Input a Number
. If Number % 7 = 0, Print " Sunday"
. If Number % 7 = 1, Print " Monday"
. If Number % 7 = 2, Print " Tuesday
. If Number % 7 = 3, Print " Wednesday"
. If Number % 7 = 4, Print " Thursday"
. If Number % 7 = 5, Print " Friday"
. If Number % 7 = 6, Print " Saturday"

## Problem 5: Algorithm

. Input a number, a
. Input a number, b
. "a" % "L" "L" starting from '1' till "a" = "L"
. "b" % "m" "m" starting from '1' till "b" = "m"
. If a % L = 0, store "L" as "r"
. If b % m = 0, store "m" as "n"
. Compare "n" and "r" Store the common values as "t"
. Print the greatest " t".

Taha Tofique
24k-0981

## Problem 6: Pseudocode:

```
START
  INPUT Number 1, a
  INPUT Number 2, b
  INPUT Number 3, c
T:
IF c<b
    And c<a
   PRINT "C is the smallest"
ELSE
      IF b<c
      And b<a
      PRINT " b is the Smallest"
ELSE
      IF a<b
       And a<c
       PRINT " a is the Smallest"
END
```

## Problem 7: Pseudocode

```
START
   INPUT NUMBER 1, a
   INPUT NUMBER 2, b

IF  a>b
     Then  b*-1
     SUM  a+b
 ELSE
    IF b>a
       Then a*-1
       SUM  a+b
END
```

Taha Tofique
24k-0982

# Problem 8: Pseudocode

START

INPUT Number 1, a

INPUT Number 2, b

SELECT "*" or "%"

IF "*" is selected

Then a * b = c

PRINT "c"

ELSE

IF "%" is selected

Then a % b = d

PRINT "d"

END