

Lab #2

Task #1:

integer num1, num2, sum, product,
difference, quotient and remainder.

print "please enter first number:"

input num1

print "please enter second number:"

input num2

sum = num1 + num2

product = num1 * num2

difference = num1 - num2

quotient = num1 / num2

remainder = num1 % num2

print "Sum is: " sum

print "Product is: " product

print "Difference is: " difference

print "Quotient is: " quotient

print "Remainder is: " remainder

Start

integer num1, num2, sum, product
difference, quotient & remainder

Print "Please enter first number:"

input num1

Print "Please enter second number:"

input num2

Sum = num1 + num2

Product = num1 * num2

difference = num1 - num2

quotient = num1 / num2

remainder = num1 % num2

Print "Sum is :" sum

Print "Product is :" product

Print "Difference is :" difference

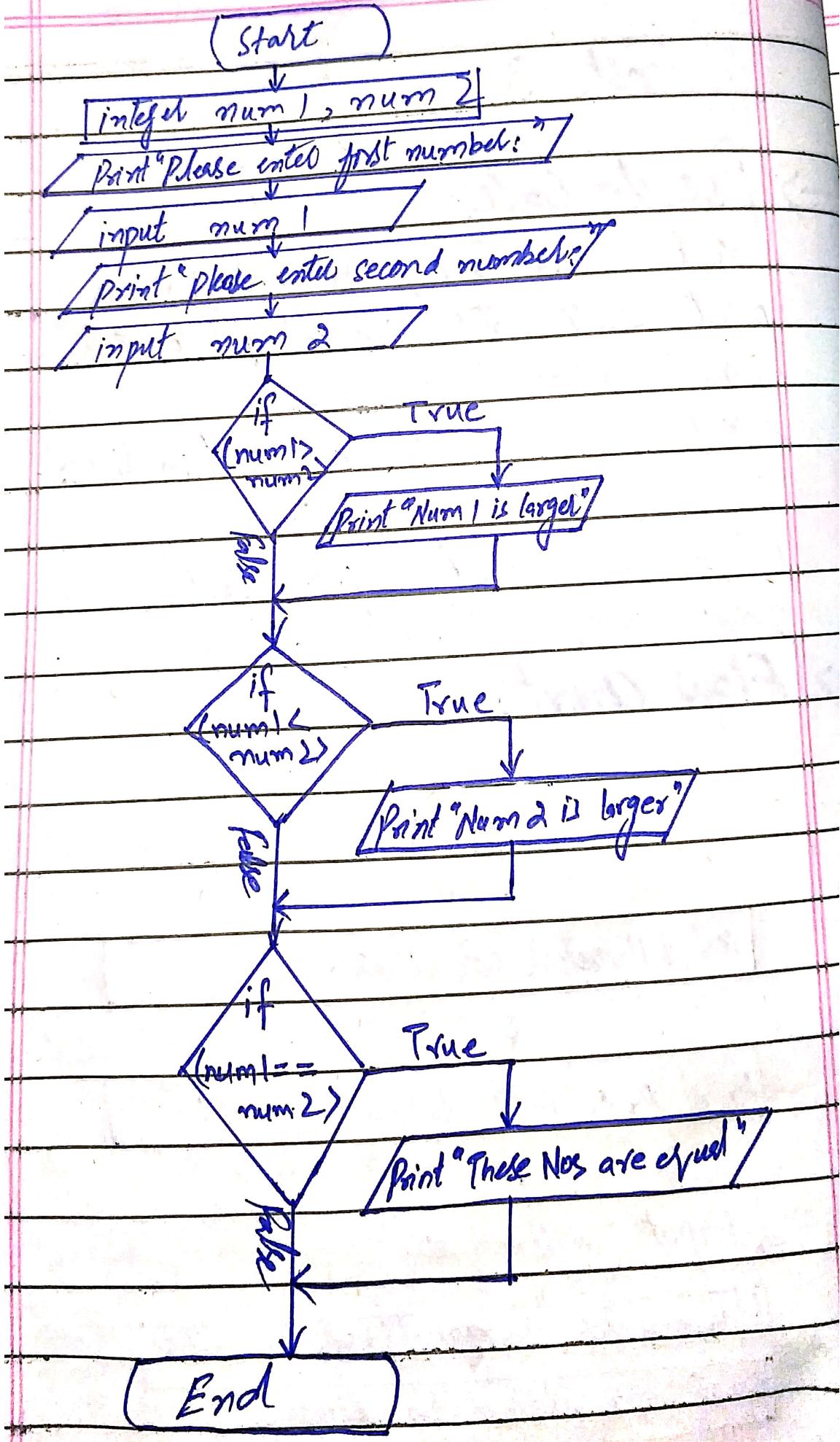
Print "Quotient is :" quotient

Print "Remainder is :" remainder

(End)

Task #2:

```
integer num1, num2
print "please enter first Number:"
input num1
print "please enter second number:"
input num2
if (num1 > num2)
{
    print " num 1 is larger"
}
if (num1 < num2)
{
    print " num 2 is larger"
}
if (num1 == num2)
{
    print "These numbers are equal"
```



Task # 3:

real rad1, rad2

print "please enter radius of first circle:"

input rad1

print "please enter radius of second circle:"

input rad2

if (rad1 > rad2)

{

 print "first circle has greater area"

}

if (rad1 < rad2)

{

 print "second circle has greater area"

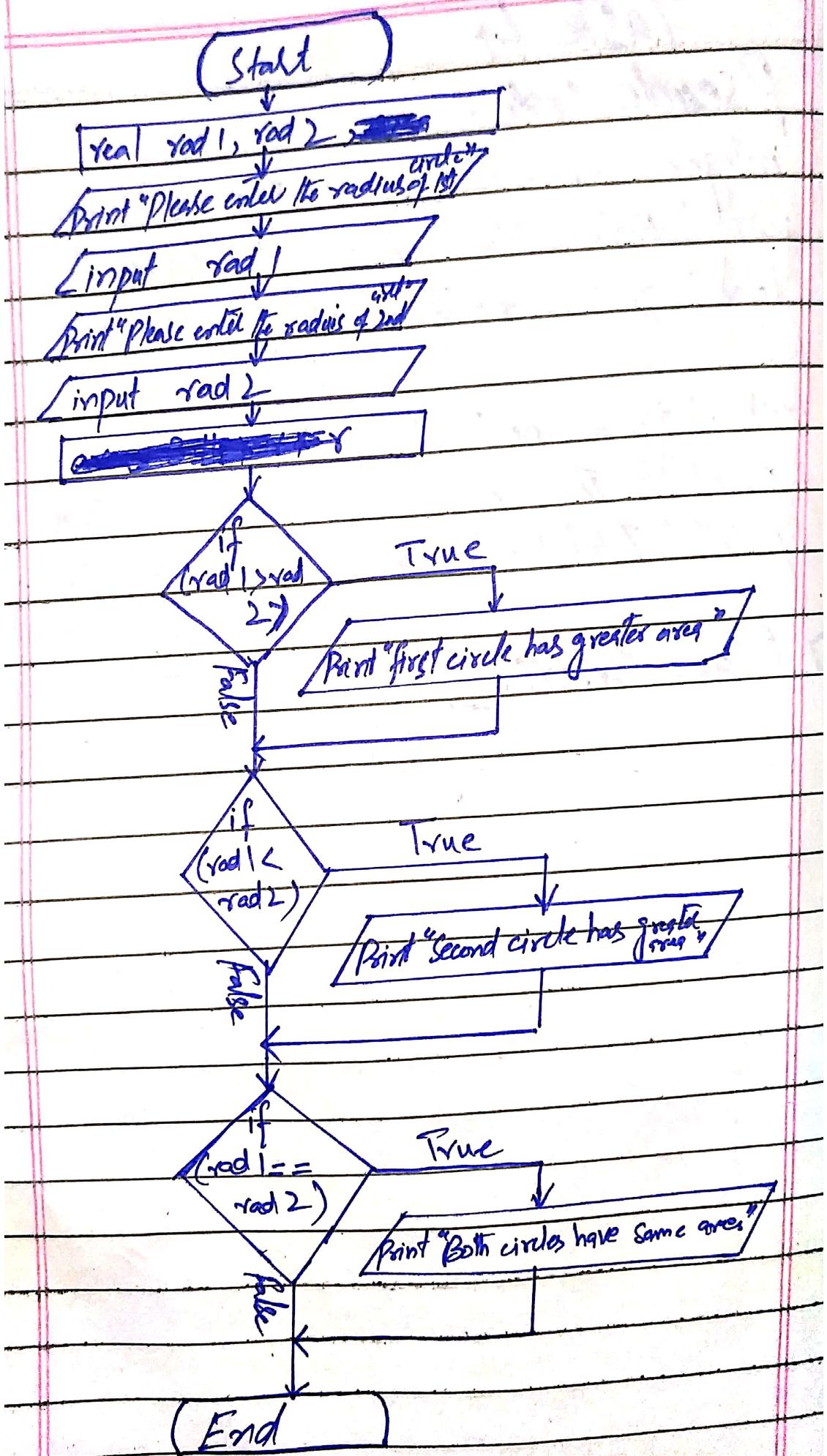
}

if (rad1 == rad2)

{

 print "Both have same areas"

}



Task No. 4:

integer booksPurchased

print "please enter the purchasing books:"

input booksPurchased

if (booksPurchased == 0)

{

 print "0 points earned"

} if (booksPurchased == 1)

{

 print "5 points earned"

} if (booksPurchased == 2)

{

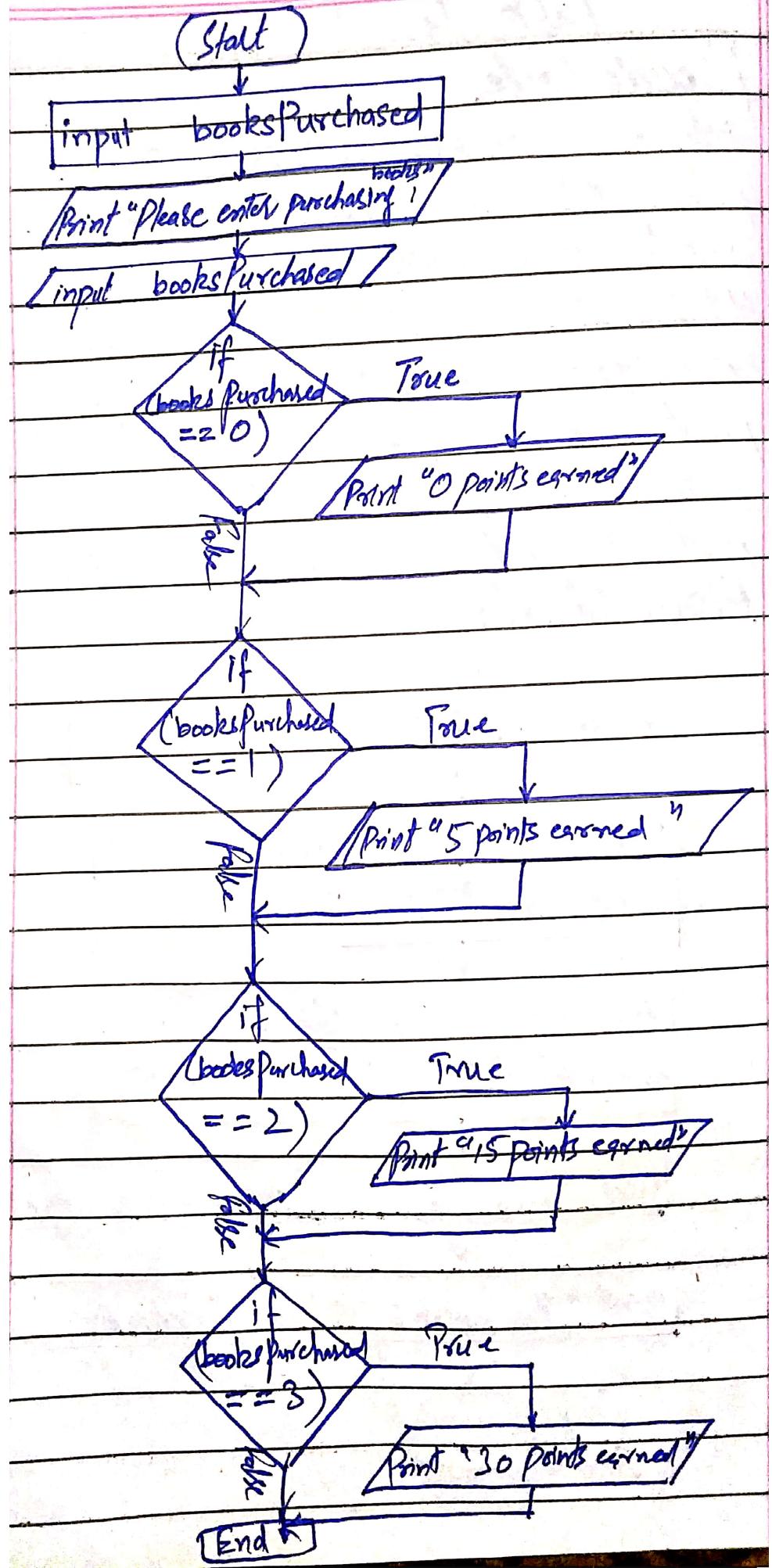
 print "15 points earned"

} if (booksPurchased >= 3)

{

 print "30 points earned"

}



Task No.5:

integers num 1 , num 2

print " please enter first number : "

input num 1

print " please enter second number : "

input num 2

if (num 1 > num 2)

{

 print " num 1 is largest "

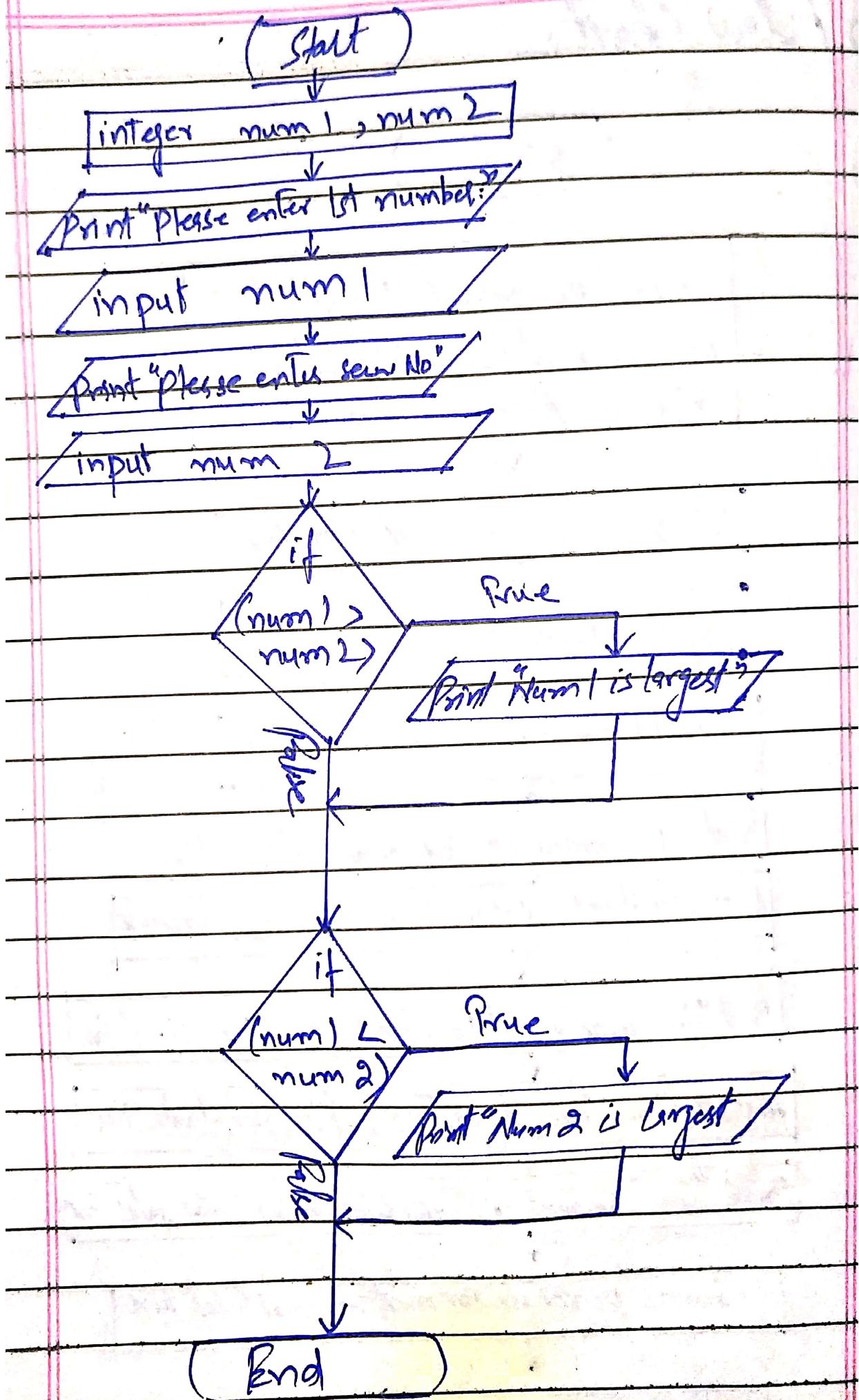
}

if (num 1 < num 2)

{

 print " num 2 is largest "

}



Task No. 3:

integer number

print "please enter the number:"

input number

if (number % 2 == 0)

{

 print "Number is even".

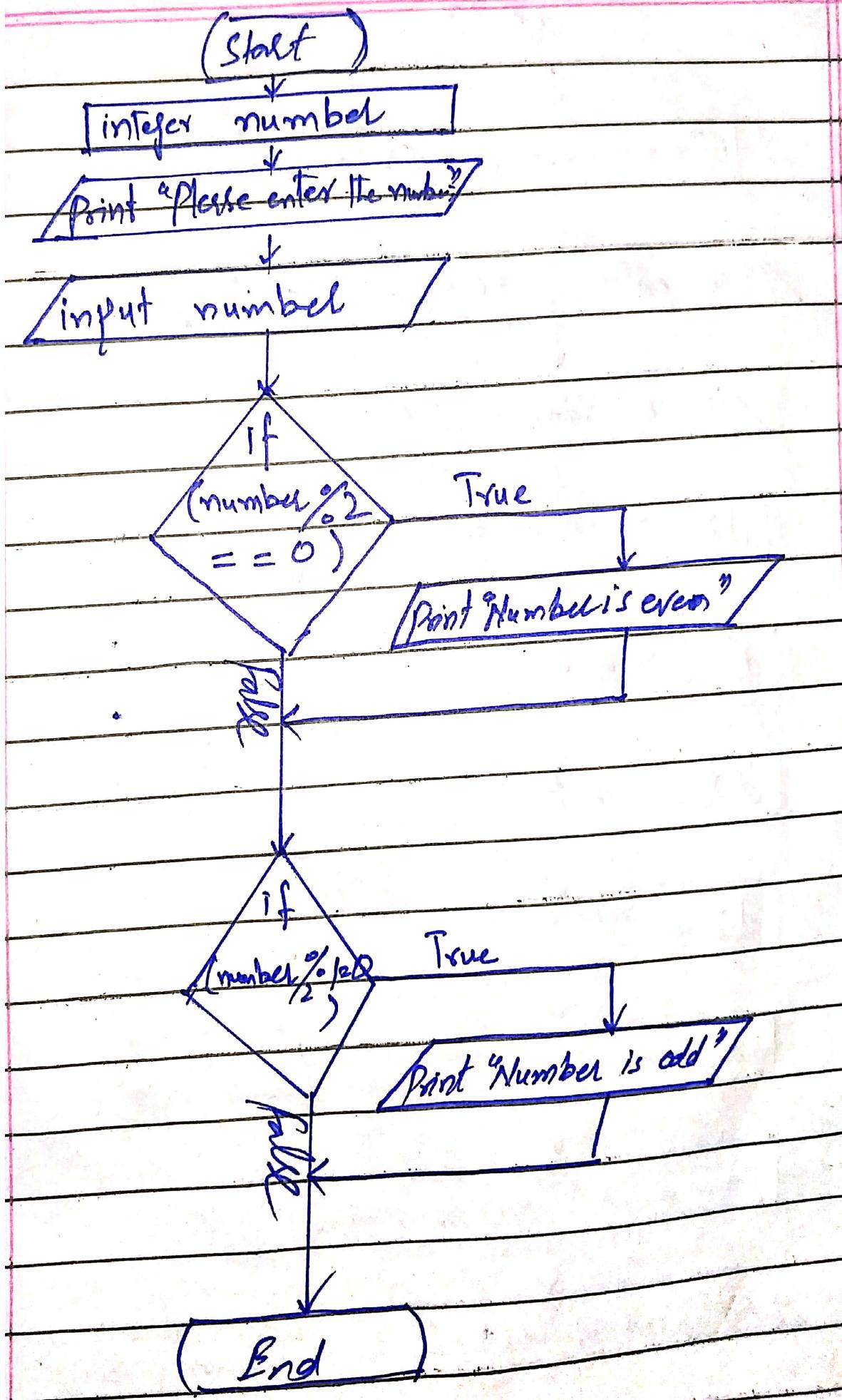
}

if (number % 2 != 0)

{

 print "Number is odd".

}



Task # 7:

integer number , d1, d2, d3, sum
print "please enter 3-digit integer:"

input number

d3 = number % 10

d1 = number / 10

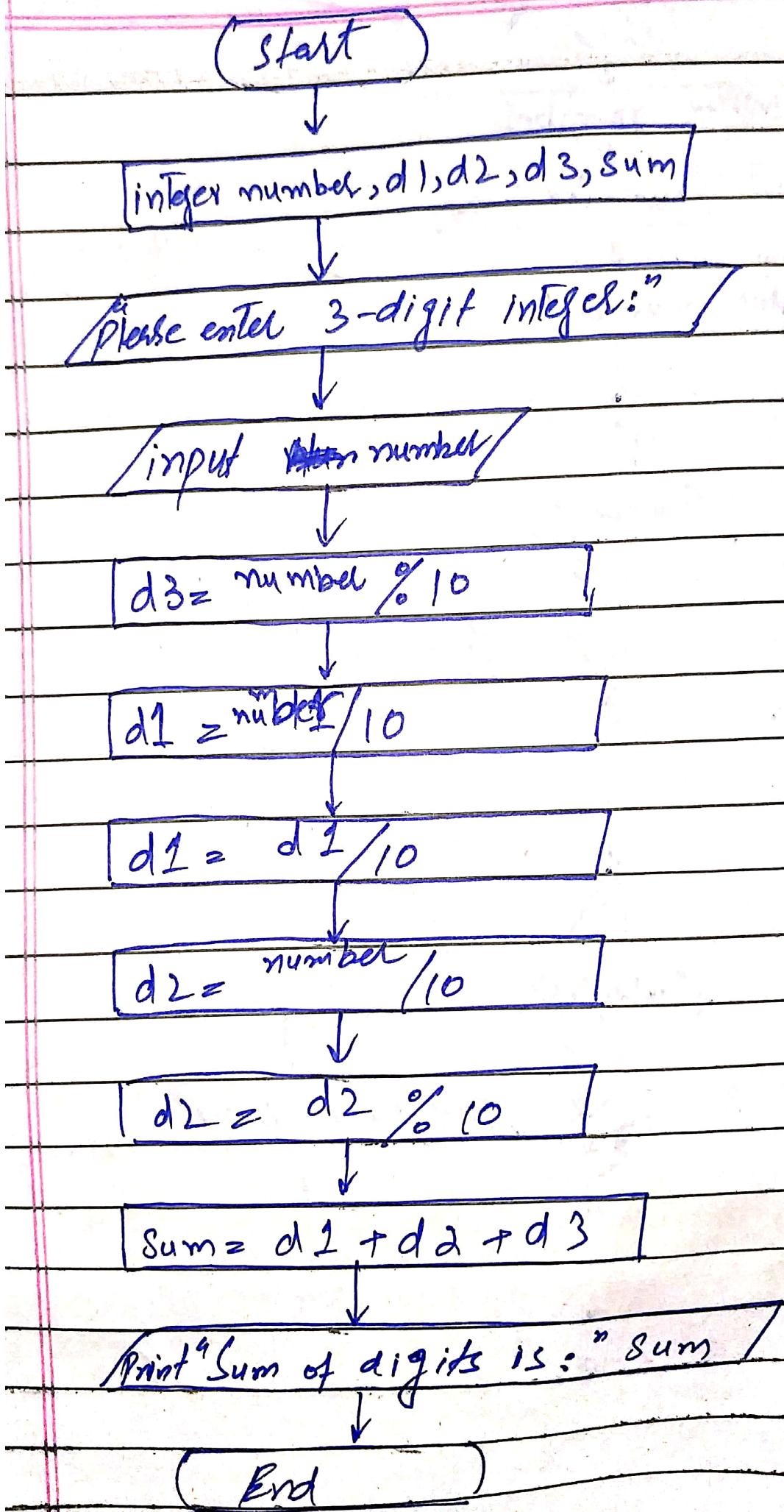
d1 = d1 / 10

d2 = number / 10

d2 = d2 % 10

Sum = d1 + d2 + d3

Print " Sum of digits is: " sum



Task No. 8:

```
integer a, b, temp  
point "please enter first integer :"  
input a  
point "please enter second integer :"  
input b  
temp = a  
a = b  
b = temp  
point "first integer is : " b  
point "Second integer is : " a
```

(Start)

integer a, b, temp

Print "Please enter first integer:"

Input a

Please enter second integer:"

Input b

Temp = a

a = b

b = Temp

Print "first integer is : " b

Print "second integer is : " a

(End)

Task # 9:

integer obtainedMarks

print "please enter the) obtainedMarks: "

input obtainedMarks

if (obtainedMarks > 50)

{

 print " pass "

}

if (obtainedMarks < 50)

{

 print " Fail "

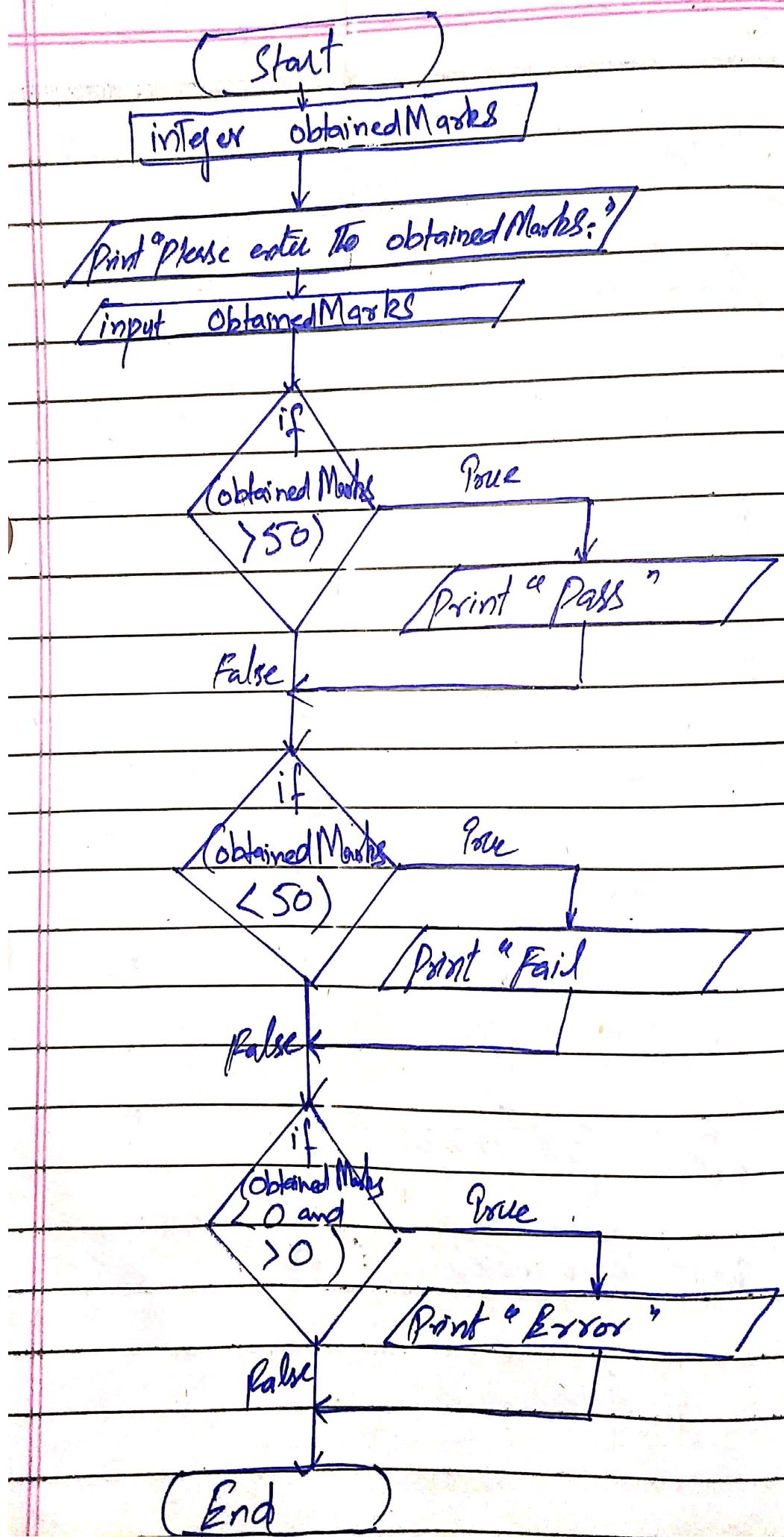
}

if (obtainedMarks < 0 and > 100)

{

 print " Error "

}



Task No. 10:

integer number, remainder, reverse
print "please enter 3-digit number:"

input number

print "Number is :" number

Remainder = number % 10

Number = number / 10

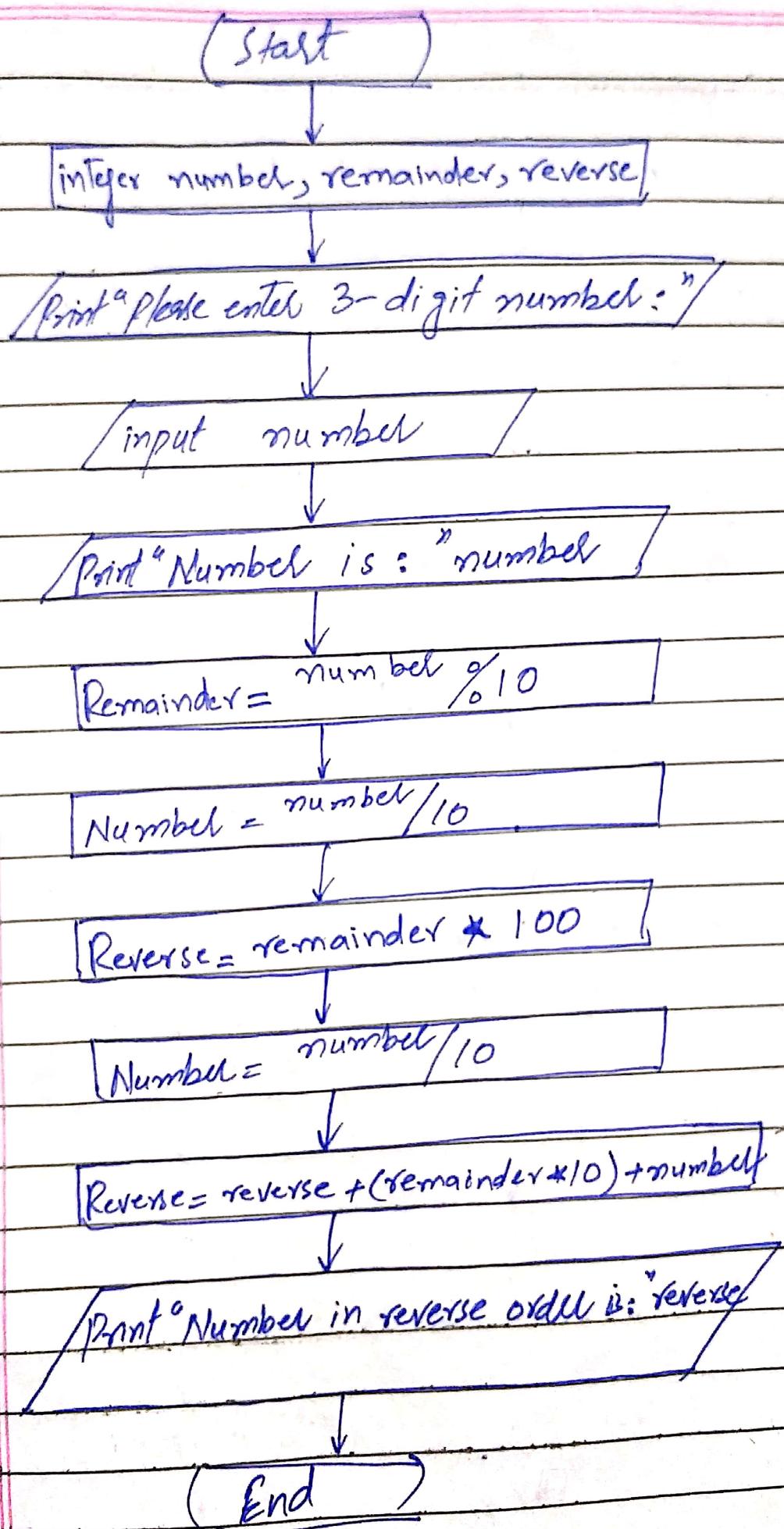
Reverse = remainder * 100

Remainder = number % 10

Number = number / 10

Reverse = reverse + (remainder * 10) + number

print "Number in reverse order: " reverse
is



Task # 11

integer x, y, z

print "please enter 3 integers:"

input x, y, z

{ if ($x > y$ and $x > z$)

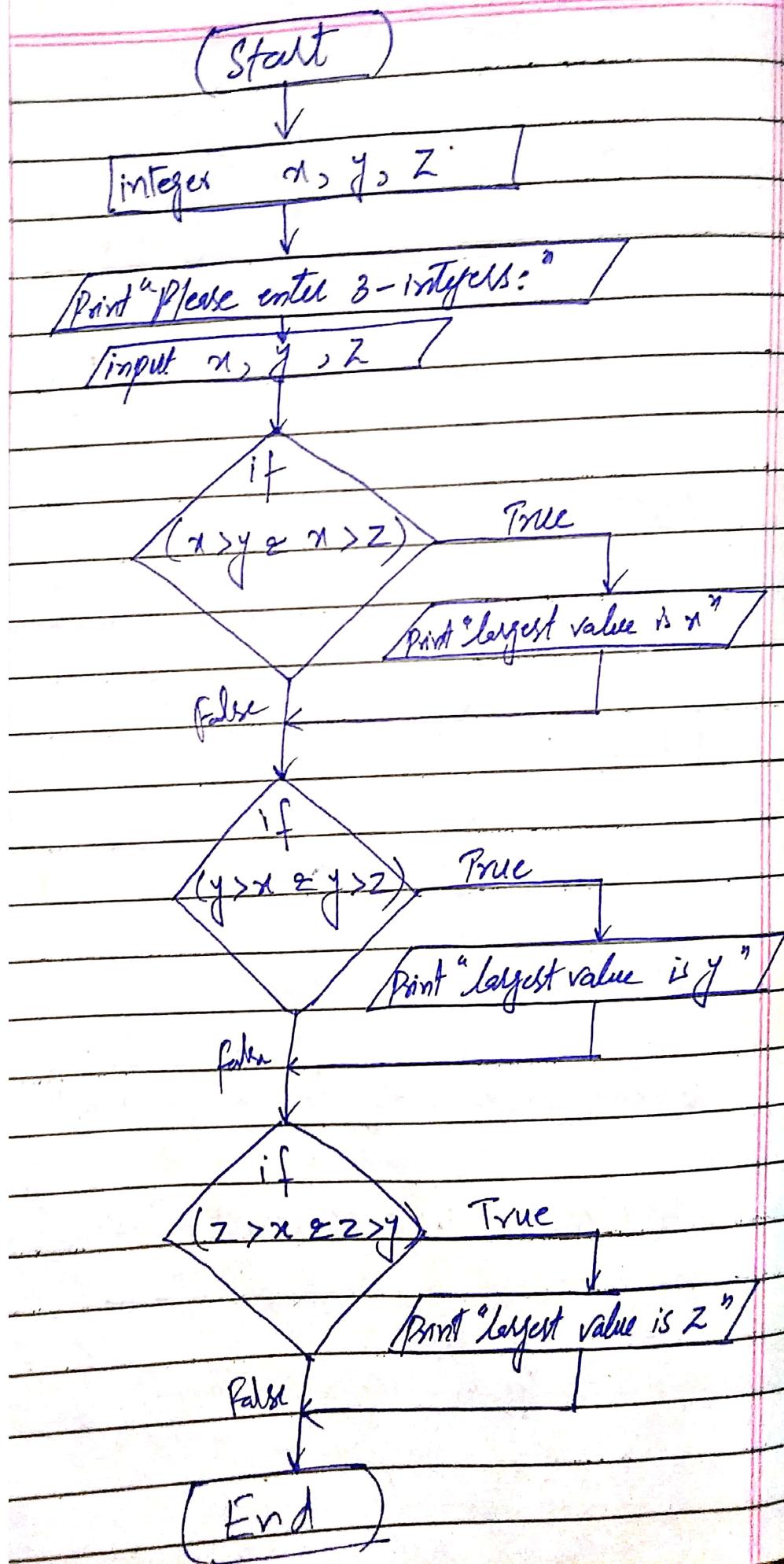
 print "largest value is x "

 if ($y > x$ and $y > z$)

 print "largest value is y "

 if ($z > x$ and $z > y$)

 print "largest value is z "



Task No. 12:

integer a, b, c

print "please enter the sides of triangle."

input a, b, c

if ($a + a == b * b + c * c$)

{

 print "Yes, there are the sides of right triangle"

}

if ($a + a == b * b + c * c$)

{

 print "No, these are not the sides of right triangle"

}

if ($b * b == a * a + c * c$)

{

 print "Yes, these are the sides of right triangle"

}

if ($b * b == a * a + c * c$)

{

 print "No, these are not the sides of right triangle"

}

if ($c * c == a * a + b * b$)

{

 print "Yes, these are the sides of right triangle"

}

if ($c * c == a * a + b * b$)

{

 print "No, these are not the sides of right triangle"

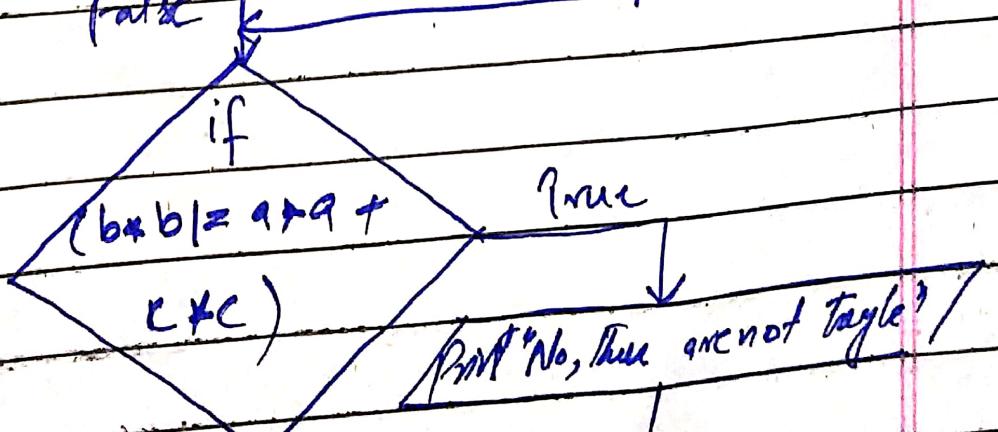
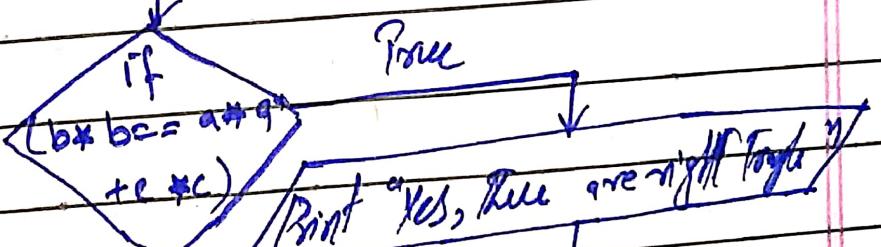
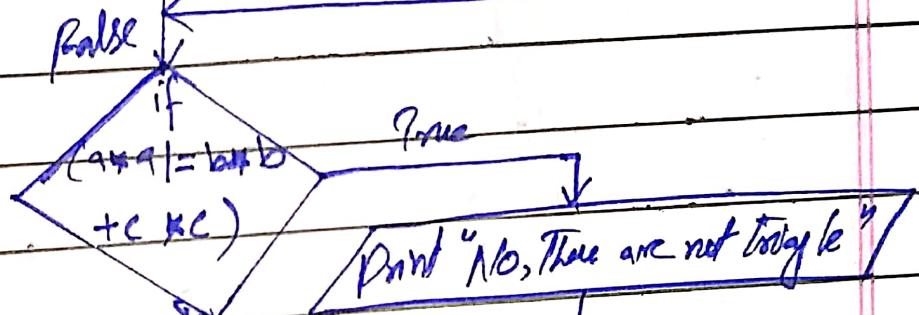
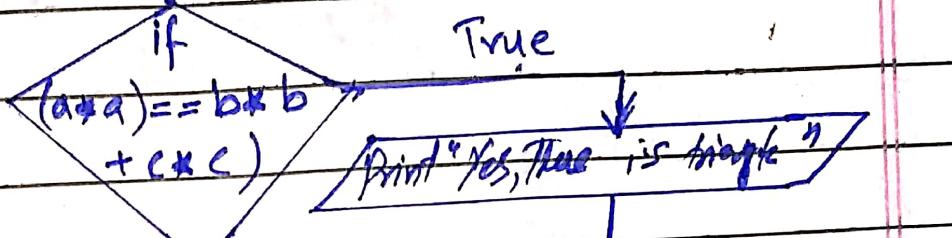
}

(Start)

integer a, b, c

Print "Please enter The sides of triangle"

Input a, b, c



False

