And, p+q+r = 16+8+4

= 28.

4) Given a = 6

b = 7

If (7>6 && 6>3)

(T && T) = True

Then

a = (7+1) + 6

= 8+6

= 14

b = 1 + 3 + 14

= 18

return 14 - funn (18, 18)

= 14 - 17

O/P = -3

Again the function is called this time the if condition is getting false (18>6 && 18<3) so the else part is executed Then 18 - 1 = 17.

5) Given

a = 3

b = 4

c = 10

a = 10 + b

a = 10 + 4

a = 14

If ((14+4+10) < (4+10+14)) = 28 < 28

is False.

Then move on to next line of the program

If ((4 + 14 + 7) < (5 + 10 + 4))

25 < 19 is also false

Then move on to next line of the program

else part

If ((4+10) < (10-4))

14 < 6 is also false

Then the control is move on to the last statement of the program.

print a+b+c

= 14 + 4 + 10

= 28

O/p :-

28

(3)	B != 0	D = 73 % 10 = 3	B = 73/10 = 7	D = 3 * 10 = 30	A = 30 + 7 = 37	A = 37 + 1 = 38	B = 5 - 1 = 4
(4)	4 != 0	D = 38 % 10 = 8	B = 38/10 = 3	D = 8 * 10 = 80	A = 80 + 3 = 83	A = 83 + 1 = 84	B = 3 - 1 = 2
(5)	3 != 0	D = 84 % 10 = 4	B = 84/10 = 8	D = 4 * 10 = 40	A = 40 + 8 = 48	A = 48 + 1 = 49	B = 3 - 1 = 2
(6)	2 != 0	D = 49 % 10 = 9	B = 49/10 = 4	D = 9 * 10 = 90	A = 94 + 1 = 94	A = 94 + 1 = 95	B = 2 - 1 = 1
(7)	1 != 0	D = 95 % 10 = 5	B = 95/10 = 9	D = 5 * 10 = 50	A = 50 + 9 = 59	A = 59 + 1 = 60	B = 1 - 1 = 0.
(8)	0 = 0.						

In the 8th iteration the B value become 0 then the false block print A is return as a result that is 62

3) Given :-

P = 5

q = 8

r = 4

if ((p ^ q < (10 + P)) [here ^ stands for Bitwise XOR operator so perform Bit wise XOR operation on 5 and 9.]

5 = 0101

(XOR) 9 = 1001

p ^ q = 1100 = 12

= 10 + P

And 10 + 5

= 15

if ((12 < 15)) The statement of condition is true then we perform

P = q + q

that is, P = 8 + 8

= 16

10/1/24

TNSIF Program

Task - 1

1) Given:

M = 30

N = 248

P = 1

Here the condition to check is N! = 0

We have N = 248 ≠ 0, so the condition is true then the True block is started to execute and return as a output

No. Iteration	condition N! = 0	P = N%.10	M = M + N%.P	N = N/10	output Values of M N P
1	true 248! = 0	P = 248%.10 = 8	M = 30 + 248%.8 = 30 + 0 = 30	N = 248/10 N = 24	30 (24) 8
2	After 1st Iteration N = 24! = 0	P = 24%.10 = 4	M = 30 + 24%.4 = 30 + 0 = 30	N = 24/10 = 2	30 (2) 4
3	then: N = 2 ! = 0	P = 2%.10	M = 30 + 2%.2 = 30 + 0 = 30	0	30 (0) 2
4	N = 0 = 0				

In the 4th iteration the N value become 0 then the false block is return as a result, that is M = 30

2) A Given

A = 62

B = 7

condition to check B ! = 0. Here the condition is true so the True block is started to execute.

No. of Iteration	B! = 0	D = A%.0	Q = A/10	D = D*10	A = D+Q	A = A+1	B = B-1
(1)	7! = 0	D = 62%.10 = 2	Q = 62/10 = 6	D = 2*10 = 20	A = 20+6 = 26	A = 26+1 = 27	B = 7-1 = 6
(2)	6! = 0	D = 27%.10 = 7	Q = 27/10 = 2	D = 7*10 = 70	A = 70+2 = 72	A = 72+1 = 73	B = 6-1 = 5