	Assignment I
011	Roll No: 2018113003
<u></u> 引》	Code:
	int 2 = 2018113003×100;
	int a: -1 = (x);
_	unsigned int b= (unsigned int) a:
	unsigned int C: UINT_MAX-X:
	int d = (int)ac;
_	int p = 65490 +x;
	short int e = (short int) p
	unsigned short f = (unsigned short)a; Printf (" > d > u > u > d > hi > hu > n", a, b, c, d, e, f);
	Printf (" %d ?.u %u %d %hi %hu \n ,a,b,c,d,e,f);
	Result:
	The code is for a 32 bit machine
	: int - 4 bytes
	short int -> 2 bytes
	Evaluation is done right-to-left
	: X = 20181130037100
	=> x=3, which does not cause one overflow
	: x:3 (Represented as:0 - oxor 0011)
	Q 2 -14 X
	= -3, done by hoo's complement
	: a = -3 (Represented as : 1 → 1x27 - 1101)

Binary of a=1-1x27-1101,
: (unsigned int) a will not change the
pinch
$\frac{1}{2}b = 1 - 1x27 - 11012, \text{ but it is unsigned}$
b = UINIT_MAX - 2
$=(2^{32}-1)-2$
= 4294967293 (11)
$C = UINT_MAX - 3c$
$(2^{3^2}-1)-3$
= 1-1x27-11002
The ice reactions of
It is unsigned C= 4294967292
1. 62 12 1910 1812
d= (int) c
The bit volve remains unchanged
- d=1-1x27-11002
2
But it is signed
: d = - (25 complement of 1-1x27-11002)
$= -(0-0x21-0100_{2})$
2 -4
P = 65490+3
= 634903 (No oxerflow)

)	
p = 0 - 0x15 - 1x10-0101012	
·· e: (short)p	
= XIO - 0101012	
It is signed	
: e= - (101010+1)	
· - (101011 ₂)	
- 43	
Fa(unsignad) La	
f=(unsigned short)a = (216 > 1) - 4	- 1
$= 1 - 1 \times 12 - 1101$ $= (2^{16} - 1) - 2$	
² 6553§3	
: Ans: -3 4294967293 4294967292 -4 -43 65533	
)	+
	-
<i>,</i>	
A .	-
3	