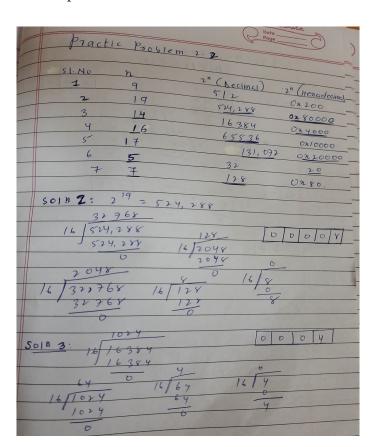
Practice problem 2.1:

Practice Problem 2.1 A. 0139 n 7 F 8 to binary Hena decimal 3
Heradecimal 3 9 7 7 7 8 8 1 1000 1000 1010 0111 1111 1000
B. Binging 11001001011111011 to henadecimal Solution: 1100 1001 0111 1011 12 9 7 11 (C97B)16
C. On 85 to 4c to binary Solution:
Heradeumal: B & E 4 c Bingry: 1101 0101 1110 0100 1100 : (1101 01011110 0100 1100)
B. Binging 100/10/11/01/10/10/10/10/10/10/10/10/10/

Practice problem 2.2:



Practice problem 2.3

Pract	ice Problem 2	3
51.NO	Beamal	Binging Henadeamal.
)	0	00000000 0200 _
2	167	10100111 On A7 -
3	62	111110 Ouze -
4	188.	10111101 ONBC
5	55	00110111 On 37
6	136	1000 1000 0288
7	2 4 3	11110011: 02F3
8	82	01010016 On 52
7	172	101.61100 02.AC
10	231	11100111 OXEF -
861 h	2: Becimal	to minary
	211671	
	2 83	
	27911	(10160111),
	2/20	1 11 - Lecine)
	15'	Binary to Heradecinal
	2/1/2	n 7 = (A7)16
	19	
	3: Decimal to	Bings 7 to Hengdecima
5012	11 . 6	
	216×6	(111110) 0011 11101
	2/3/	06111110
	1181	3
	2/31	

```
SOID 9: 2 (186)

2 (94)

2 (25)

2 (11)

2 (15)

2 (17)

2 (10)

11)

10)

Bings & to Henadecimal

1011 1100

B # = (BE)

5012 8: 0011 01118

3 7
```

Practice problem 2.4:

```
Solut: 1111 6011

F 3 - 0x F3,

: 1111 000 1

: 1+2+16+32+ 64+128= (243).0

Solut: f: 0x52

Solot colo : (01010010)2

Practice problem 2.4

A. 0x503c + 0x8

So3c

+8

F044 = 0x5044,

B. 0x503c - 0x40

F03c

F03c

16+3=19

19-4=15
```

Practice problem 2.6:

	0				
	c. 025036+64				
	5036 0=12				
	+69 (=12+4=16				
	+ 64 (=12+4=16				
	COA % 16-16=0.				
	0-5000				
	O250 HO11				
D	· 0250ea - 62503C				
	50 EA				
	- On OCHE				
	- 30 3 6				
	00 n Kg				
	8 × 9 × 3 2 × 3 × 3				
	Practice Problem 2.6.				
A.	0200359141				
	- 2 5 61 1 9 41				
	0000 0000 0011 0101 1001 0001 0100 0001				
	(0000 0000001101011001000101000001),				
=	(0000 0 000 0011 0101 1001 000 000 000 0				
37/15/					
	0244564504				
	4 10 5 6 4 5 0 4				
	y 10 5 6 4 5 0 4 0100 1010 0101 0110 0100 0101 0000 0100				
	0/60 1570 510/57				
	(0100101001010110 0100 01010000 0100)2				

	Page
B-	shift these two string relative to one another bits match?
	to manimize the number of malching bits thou
-	
1/	000000000000000000000000000000000000000
	000000000000000000000000000000000000000
2.1	
1:1	0100 1010 010/ 01100 1000/6/00000100
	7 7 7 2
	0000 0000 0100 10100101010100100101.
	compose:
	0600 0000 0000 0000 6011 6101 1001 0001
	0000 0000 6100 1010 0101 0110 0100 0101
	[11] 1111 1011 0101 1001 1100 0010 1011
	.: number of matching bits = 21.
C	What parts of the string do not match?
= \	The final all bils of the antescos embedded in the
	of a land neight number, encept toy lie most
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	addition, the floating point number has same tero
	addition, the total do not match those of the
	addition, the floating point number high-order bits that do not match those of the
	enteger.

Practice problem 2.8:

	Practice	Problem 2.8
		1 , Do long 2 8
	operation	Result
	a	01101001
	b	
	l ~a	01010101
	2 b	10010110
		10101010.
	a 8 b	01000001
	alb	0111101
	a 1 6	01000001
*	a8b	
11		* 01101001
8	01101001	01010101
	61000001	01111101
*	011010	TROUBLES OF THE LEWIS CO.
1	01101001	
-		Out the second second
1	01000001	
	A STATE OF THE PARTY OF THE PAR	Man do relación de la lación de lación de la lación de

Practice problem 2.16:

b		Page Page	=0	
Fracti	ce Problem	2-16	· · ·	
n				
Hen	Binary	71 1 1 3		
On C3	11000011	Bingay	Hen -	
On75		00611000	On 18 -	
	61110161	1.0101000	on A8	
0287	10000111	00111600	On 38	
0n66	01106110	00110000	On 30	
hogical		Arith; met	Arith; metic	
フィケファ		nys	n > 7 2	
Bingry	Hen	Bindry	Hen	
00110000	Ou 30	11110000	OnFo	
00011101	On 1B	06011101	Onlb	
001000001	0 m 21	11100001	0 n E 1	
00011001	0n19	00011601	<u>Ou 19</u>	