lano Homework 1 The von Neumann computer was introduced in 1940, it laid the basic foundation of modern architecture. It consists of a memory unit (mu), Arithmetic logic unit (ALU), control unit (cu), and I lo unit. (011.1011011), to octal 011.101.101.100 (4429.625), to octal 1025.8=5 remainder, 5, 40 42 _HO 8 553 remainder, 1, Ms: (10515.5) remainder, 5, rem.O fem, 1,

4. (63297) to octal		1
279	10-11-11-11-11	1 8:97 = 7.761	
8/162	rem=0	id to Myork the De	
11/1/256	1 - File , 200/1	1) - 1) 5 (c) 61 } !	
00		Ans=(1170, 76	7
45179	rem 7	HN3=(11701-76)	18)
7	1000		
319	rem 1	0112 111 112	
-8		N. C.	
812		St.	
Ø 11	rem 1		
5 10,0111	11) a to hex	7	
-1 (-011.	11/2 10 125	1/2	
0000.011	11110		
D 4137			
Ans: 7. 7E)	7		
- 16		+ ,	
6 313			
= 4096	, W .		
Becaus	e on loff is 2,	then	
there o	e on loff is 2, we la switchs.		-
	i p		
			No.
			_~

Steven

7. $(211)_{x} = (152)_{x} x = ?$ $1 \times 8^{2} + 5 \times 8 + 2 \times 8$ $= (106)_{0}$ $= (106)_{0}$ $= (106)_{10} + (106)_{0} \times (106)_{0$

9. 01001010 01101111 01101000 0110110 0 0100000 10000100 01101111 2100101 Space " 0 e

Ans: John " De

- Dut 0's where it was needed to make a set of 8, I believe you gave us the wrong code for ", suppose to be a D

10 (1110101.11) 2 > Decimal 1x2+1x2+1x2+1x2+1x2+1x2, 1x2 Hx22 => 64+32+16+0+4+0+1 . 1 +1 =(I7.75),