

Recitation 2 practice:

1. Suppose we have:

```
int x = 0x01020304;
```

```
char *p = (char *)&x;
```

```
int y = (int)(*p);
```

What is the value of y

a) if run on a little endian machine? 4

b) if run on a big endian machine? 1

2.

Operation (5-bit data)	A = 29 (11101)	B = 17 (10001)
~	00010	01110
A&B	10001	
A B	11101	
A^B	01100	
!	0	0
A&&B	1 or true	
A B	1 or true	
<<2	10100	00100
>>3 (logical)	00011	00010
>>3 (arithmetic)	11111	11110

3. B2U8(00101001) = 41

4. B2U7(1111111) = 127