Exercise #4
Hexadecimal and Octal

1. **Complete the following table by converting the values. Do not break the values into eight bits**

Binary	Octal	Decimal	Hexadecimal
001110110001_2	001 110 110 $001=1661_8$	$512+384+48+1=945_{10}$	59R1 3R11 0R3 3111_{16}
110111000010_2	110 111 000 $010=6702_8$	$3072+448+0+2=3522_{10}$	220R2 13R12 $0R13_{16}$
$011\ 001\ 010\ 001_2$	6234_8	$3072+128+24+4=3228_{10}$	201R12 12R9 $0R12_{16}$
001001000001_2	1102_8	$512+64+0+2=578_{10}$	36R2 2R4 $0R2_{16}$
011111111111_2	255R7 31R7 3R7 0R3 3777_8	2047_{10}	127R15 7R15 $0R7_{16}$
101111001000_2	380R0 47R4 5R7 0R5 5740_8	3040_{10}	190R0 11R14 $0R11_{16}$
111110101101_2	111 110 101 101= 7655_8	$3584+384+40+5=4013_{10}$	FAD_{16}
101000011_2	40R3 5R0 0R5 503_8	$256+64+3=323_{10}$	143_{16}