Course:	CIS-17A
Section:	Sec: 48593
Student:	Domenico Venuti

BASE 10	BASE 2	BASE 8	BASE 16
0.25	0.01	0.2	0.4
0.328125	0.010101	0.25	0.54
0.14453125	0.00100101	0.112	0.25
0.8125	0.1101	0.64	0.D

0.25 Base 10 to Base 16:
0.25 x 16 = 4.0
0.25 Base 10 is Equal to 0.4 Base 16

0.0100 Base 2 to Base 8:
010 000 Base 2 is Equal to 0.20 Base 8

0.4 Base 16 to Base 2:
4 Base 16 is Equal to 100 Base 2
0.4 Base 16 is Equal to 0.0100 Base 2

0.25 Base 8 to Base 2:
2 5 Base 8 is Equal to 010 101 Base 2
0.25 Base 2 is Equal to 0.010101 Base 2

0.010101 Base 2 to Base 10:
$(0 \times 2^{-1})+(1 \times 2^{-2})+(0 \times 2^{-3})+(1 \times 2^{-4})+(0 \times 2^{-5})+(1 \times 2^{-6})=$
$0 + 0.25 + 0 + 0.0625 + 0 + 0.015625 = 0.328125$ Base 10

0.010101 Base 2 to Base 16:
0101 0100 Base 2 is Equal to 0.54 Base 16

0.25 Base 16 to Base 10:
2 5 Base 16 is Equal to 0010 0101 Base 2
0.25 Base 16 is Equal to 0.00100101 Base 2

0.00100101 Base 2 to Base 10:
$0 + 0 + (1 \times 2^{-3}) + 0 + 0 + (1 \times 2^{-6}) + 0 + (1 \times 2^{-8}) =$
$0 + 0 + 0.125 + 0 + 0 + 0.015625 + 0 + 0.00390625 = 0.14453125$
0.00100101 Base 2 is Equal to 0.14453125 Base 10

0.00100101 Base 2 to Base 8:
001 001 010 Base 2 is Equal to 1 1 2 Base 8
0.00100101 Base 2 is Equal to 0.112 Base 8

0.1101 Base 2 to Base 10:
$(1 \times 2^{-1}) + (1 \times 2^{-2}) + 0 + (1 \times 2^{-4}) =$
$0.5 + 0.25 + 0 + 0.0625 = 0.8125$
0.1101 Base 2 is Equal to 0.8125 Base 10

0.1101 Base 2 to Base 16:
1101 Base 2 to Base 16 is Equal to D
0.1101 Base 2 to Base 16 is Equal to 0.D

0.1101 Base 2 to Base 8:
110 100 Base 2 to Base 8 is Equal to 6 4
0.1101 Base 2 is Equal to 0.64 Base 8