	CS1: Web Design and Animation Name: Decimal <-> Binary Conversions Date:			
	cimal to Binary Convert 85 to an 8-bit binary number			
2.	Convert 76 to an 8-bit binary number			
3.	Convert 64 to an 8-bit binary number			
4.	Convert 255 to an 8-bit binary number			
	ary to Decimal What decimal number is this 8-bit binary number: 01101010?			
6.	What decimal number is this 8-bit binary number: 11010001?			
7.	What decimal number is this 8-bit binary number: 00011010?			
8.	What decimal number is this 8-bit binary number: 10101011?			
	CII Code a <u>ASCII Chart</u> for assistance. What does the following spell? 010000100101100101010001000101			

BONUS:

Complete the following binary addition problem. (Hint, carefully look at how addition works in base 10)

1001001+0011001

ASCII		Control	ASCII		ASCII		ASCII	
value	Character	character	vαlue	Character	value	Character	value	Character
000	(null)	NUL	032	(space)	064	@	096	
001	\odot	SOH	033	1	065	A	097	α
002	9	STX	034	0	066	В	098	b
003	♥	ETX	035	#	067	C	099	C
004	•	EOT	036	\$	068	D	100	d
005	*	ENQ	037	%	069	E	101	e
006	A	ACK	038	&	070	F	102	f
007	(beep)	BEL	039	t	071	G	103	g
800	10	BS	040	(072	H	104	h
009	(tab)	HT	041)	073	I	105	i
010	(line feed)	LF	042	*	074	J	106	j
011	(home)	VT	043	+	075	K	107	k
012	(form feed)	FF	044	•	076	L	108	1
013	(carriage return)	CR	045	- '	077	M	109	m
014		SO	046	•	078	N	110	n
015	☼	SI	047	/	079	0	111	0
016		DLE	048	0	080	P	112	p
017		DC1	049	1	081	Q	113	q
018	1	DC2	050	2	082	R	114	r
019	11	DC3	051	3	083	S	115	S
020	π	DC4	052	4	084	T	116	t
021	§	NAK	053	5	085	U	117	u
022	CONTROL	SYN	054	6	086	V	118	v
023	<u></u>	ETB	055	7	087	W	119	w
024	1	CAN	056	8	088	X	120	x
025	\	EM	057	9	089	Y	121	У
026		SUB	058	:	090	Z	122	z
027	←	ESC	059	;	091	[123	. {
028	(cursor right)	FS	060	<	092		124	1
029	(cursor left)	GS	061	=	093	1	125	}
030	(cursor up)	RS	062	>	094	\wedge	126	~
031	(cursor down)	US	063	?	095		127	

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