

A5 Appendix 5

Binary Numbers

Decimal	Binary	Decimal	Binary	Decimal	Binary
0	0	32	100000	64	1000000
1	1	33	100001	65	1000001
2	10	34	100010	66	1000010
3	11	35	100011	67	1000011
4	100	36	100100	68	1000100
5	101	37	100101	69	1000101
6	110	38	100110	70	1000110
7	111	39	100111	71	1000111
8	1000	40	101000	72	1001000
9	1001	41	101001	73	1001001
10	1010	42	101010	74	1001010
11	1011	43	101011	75	1001011
12	1100	44	101100	76	1001100
13	1101	45	101101	77	1001101
14	1110	46	101110	78	1001110
15	1111	47	101111	79	1001111
16	10000	48	110000	80	1010000
17	10001	49	110001	81	1010001
18	10010	50	110010	82	1010010
19	10011	51	110011	83	1010011
20	10100	52	110100	84	1010100
21	10101	53	110101	85	1010101
22	10110	54	110110	86	1010110
23	10111	55	110111	87	1010111
24	11000	56	111000	88	1011000
25	11001	57	111001	89	1011001
26	11010	58	111010	90	1011010
27	11011	59	111011	91	1011011
28	11100	60	111100	92	1011100
29	11101	61	111101	93	1011101
30	11110	62	111110	94	1011110
31	11111	63	111111	95	1011111

Decimal	Binary	Decimal	Binary	Decimal	Binary
96	1100000	128	10000000	160	10100000
97	1100001	129	10000001	161	10100001
98	1100010	130	10000010	162	10100010
99	1100011	131	10000011	163	10100011
100	1100100	132	10000100	164	10100100
101	1100101	133	10000101	165	10100101
102	1100110	134	10000110	166	10100110
103	1100111	135	10000111	167	10100111
104	1101000	136	10001000	168	10101000
105	1101001	137	10001001	169	10101001
106	1101010	138	10001010	170	10101010
107	1101011	139	10001011	171	10101011
108	1101100	140	10001100	172	10101100
109	1101101	141	10001101	173	10101101
110	1101110	142	10001110	174	10101110
111	1101111	143	10001111	175	10101111
112	1110000	144	10010000	176	10110000
113	1110001	145	10010001	177	10110001
114	1110010	146	10010010	178	10110010
115	1110011	147	10010011	179	10110011
116	1110100	148	10010100	180	10110100
117	1110101	149	10010101	181	10110101
118	1110110	150	10010110	182	10110110
119	1110111	151	10010111	183	10110111
120	1111000	152	10011000	184	10111000
121	1111001	153	10011001	185	10111001
122	1111010	154	10011010	186	10111010
123	1111011	155	10011011	187	10111011
124	1111100	156	10011100	188	10111100
125	1111101	157	10011101	189	10111101
126	1111110	158	10011110	190	10111110
127	1111111	159	10011111	191	10111111

Decimal	Binary	Decimal	Binary
192	11000000	224	11100000
193	11000001	225	11100001
194	11000010	226	11100010
195	11000011	227	11100011
196	11000100	228	11100100
197	11000101	229	11100101
198	11000110	230	11100110
199	11000111	231	11100111
200	11001000	232	11101000
201	11001001	233	11101001
202	11001010	234	11101010
203	11001011	235	11101011
204	11001100	236	11101100
205	11001101	237	11101101
206	11001110	238	11101110
207	11001111	239	11101111
208	11010000	240	11110000
209	11010001	241	11110001
210	11010010	242	11110010
211	11010011	243	11110011
212	11010100	244	11110100
213	11010101	245	11110101
214	11010110	246	11110110
215	11010111	247	11110111
216	11011000	248	11111000
217	11011001	249	11111001
218	11011010	250	11111010
219	11011011	251	11111011
220	11011100	252	11111100
221	11011101	253	11111101
222	11011110	254	11111110
223	11011111	255	11111111