Round 1 Day 7... #100DaysOfCode

Location Properties: The following table determines properties used in *getCurrentPosition()* and their returning values.

PROPERTIES	RETURN VALUE
coords.latitude	Always returns latitude as a decimal number
coords.accuracy	Always returns accuracy of position
coords.longitude	Always returns longitude as a decimal number
coords.altitude	Returns the altitude in meters above sea level if available
coords.altitudeAccuracy	Returns altitude accuracy of position if available
coords.heading	Returns heading in degree clockwise from North if available
coords.speed	Returns speed in mps if available
timestamp	Returns date or time of response if available

Geolocation Methods: The Geolocation has following methods which make it interesting and easier to work.

METHODA	DESCRIPTION
getCurrentPosition()	fetches the current location of the user
watchPosition()	fetches periodic updates of user's current location
clearWatch()	cancels a watchPosition call currently in execution

Drag and Drop Events: There are many of Drag and Drop events some of them are listed below:

EVENTS	DESCRIPTION
ondragstart	Calls a function, drag(event), that specifies what data to be dragged
ondragenter	To determine whether or not the drop target is to accept the drop. If the drop is to be accepted, then this event has to be canceled
ondragleave	Occurs when the mouse leaves an element before a valid drop target while the drag is ocurring
ondragover	Specifies where the dragged data can be dropped

ondrop	Specifies where the drop was occurred at the end of the drag operation
ondragend	Occurs when the user has finished dragging an element

The Data Transfer Object: The data transfer property is used when the whole process of Drag and Drop happens. It is used to hold the dragged data from the source and drop it to the desired location. These are the properties associated with it:

ATTRIBUTES	DESCRIPTION
dataTransfer.setData(format, data)	Sets the data to be dragged
dataTransfer.clearData(format)	Calling this function with no argument clears all the data. Calling it with a format argument removes only that specific data.
dataTransfer.getData(format)	Returns the data of the specified format. If there is no such data, returns the empty string.
dataTransfer.types	This property returns an array of all the formats that were set in the dragstart event.
dataTransfer.files	It is used to return all the files that are to be dropped.
dataTransfer.setDragImage(element, x, y)	It is used to display an existing image as the drag image instead of the default image alongside the cursor. The coordinates specify the drop location
dataTransfer.addElement(element)	Adds the specified element to be drawn as a drag feedback image
dataTransfer.effectAllowed(value)	Tells the browser that only the listed type(s) of operations are allowed for the user. The property can be set to the following values: none, copy, copyLink, copyMove, link, linkMove, move, all, and uninitialized.
dataTransfer.dropEffect(value)	Controls the feedback that the user is given during the dragenter and dragover events. When the user hovers over a target element, the browser's cursor will indicate what type of operation is going to take place (e.g. a copy, a move, etc.). The effect can take on one of the following values: none, copy, link, move.

Character set for different character encoding standard: Following list shows different character encoding standards with their characters and their assigned number codes.

Table 1: This table contains characters having same numbers assigned in different character encoding.

NUMBER	ASCII ANSI ISO-8859-1 UTF-8	DESCRIPTION
32		Space
33	!	Exclamation Mark
34	"	Quotation Mark
35	#	Hash Sign
36	$	Dollar Sign
37	%	Percent Sign
38	&	Ampersand Sign
39	'	Apostrophe Sign
40	(	Opening Paranthesis
41	)	Closing Parenthesis
42	*	Asterisk Sign
43	+	Plus Sign
44	,	Comma
45	-	Hyphen/minus Sign
46	.	Full-stop
47	/	Slash/Divide Sign
48	0	Number Zero
49	1	Number One
50	2	Number Two
51	3	Number Three
52	4	Number Four
53	5	Number Five
54	6	Number Six

NUMBER	ASCII ANSI ISO-8859-1 UTF-8	DESCRIPTION
55	7	Number Seven
56	8	Number Eight
57	9	Number Nine
58	:	Colon
59	;	Semicolon
60	<	Lessthan Sign
61	=	Equalto Sign
62	>	Greaterthan Sign
63	?	Question Mark
64	@	at Sign
65	A	Letter A
66	B	Letter B
67	C	Letter C
68	D	Letter D
69	E	Letter E
70	F	Letter F
71	G	Letter G
72	H	Letter H
73	I	Letter I
74	J	Letter J
75	K	Letter K
76	L	Letter L
77	M	Letter M
78	N	Letter N
79	O	Letter O

NUMBER	ASCII ANSI ISO-8859-1 UTF-8	DESCRIPTION
80	P	Letter P
81	Q	Letter Q
82	R	Letter R
83	S	Letter S
84	T	Letter T
85	U	Letter U
86	V	Letter V
87	W	Letter W
88	X	Letter X
89	Y	Letter Y
90	Z	Letter Z
91	[	Opening Square Bracket
92	\	Backslash
93	]	Closing Square Bracket
94	^	Circumflex Accent
95	_	Low Line
96	`	Grave Accent
97	a	Letter a
98	b	Letter b
99	c	Letter c
100	d	Letter d
101	e	Letter e
102	f	Letter f
103	g	Letter g
104	h	Letter h

NUMBER	ASCII ANSI ISO-8859-1 UTF-8	DESCRIPTION
105	i	Letter i
106	j	Letter j
107	k	Letter k
108	l	Letter l
109	m	Letter m
110	n	Letter n
111	o	Letter o
112	p	Letter p
113	q	Letter q
114	r	Letter r
115	s	Letter s
116	t	Letter t
117	u	Letter u
118	v	Letter v
119	w	Letter w
120	x	Letter x
121	y	Letter y
122	z	Letter z
123	{	Opening Curly Bracket
124			Vertical Line
125	}	Closing Curly Bracket
126	~	Tilde

Table 2: This table contains character having different character encoding.

ASCII	ANSI	ISO-8859-1	UTF-8	DESCRIPTION
127				DEL

ASCII	ANSI	ISO-8859-1	UTF-8	DESCRIPTION
	128			€
				Not Used
	130			‚
	131			ƒ
	132			„
	133			…
	134			†
	135			‡
	136			ˆ
	137			‰
	138			Š
	139			‹
	140			Œ
141	141	141	141	Not Used
	142			Ž
143	143	143	143	Not Used
144	144	144	144	Not Used
	145			'
	146			'
	147			"
	148			"
	149			•
	150			–
	151			—
	152			˜

ASCII	ANSI	ISO-8859-1	UTF-8	DESCRIPTION
	153			™
	154			š
	155			›
	156			œ
157	157	157	157	Not Used
	158			ž
	159			Ÿ
160	160	160	160	no-break Space
	161	161	161	¡
	162	162	162	¢
	163	163	163	£
	164	164	164	¤
	165	165	165	¥
	166	166	166	¦
	167	167	167	§
	168	168	168	¨
	169	169	169	©
	170	170	170	ª
	171	171	171	«
	172	172	172	¬
	173	173	173	
	174	174	174	®
	175	175	175	¯
	176	176	176	°
	177	177	177	±

ASCII	ANSI	ISO-8859-1	UTF-8	DESCRIPTION
	178	178	178	²
	179	179	179	³
	180	180	180	´
	181	181	181	µ
	182	182	182	¶
	183	183	183	·
	184	184	184	¸
	185	185	185	¹
	186	186	186	º
	187	187	187	»
	188	188	188	¼
	189	189	189	½
	190	190	190	¾
	191	191	191	¿
	192	192	192	À
	193	193	193	Á
	194	194	194	Â
	195	195	195	Ã
	196	196	196	Ä
	197	197	197	Å
	198	198	198	Æ
	199	199	199	Ç
	200	200	200	È
	201	201	201	É
	202	202	202	Ê

ASCII	ANSI	ISO-8859-1	UTF-8	DESCRIPTION
	203	203	203	Ë
	204	204	204	Ì
	205	205	205	Í
	206	206	206	Î
	207	207	207	Ï
	208	208	208	Ð
	209	209	209	Ñ
	210	210	210	Ò
	211	211	211	Ó
	212	212	212	Ô
	213	213	213	Õ
	214	214	214	Ö
	215	215	215	×
	216	216	216	Ø
	217	217	217	Ù
	218	218	218	Ú
	219	219	219	Û
	220	220	220	Ü
	221	221	221	Ý
	222	222	222	Þ
	223	223	223	ß
	224	224	224	à
	225	225	225	á
	226	226	226	â
	227	227	227	ã

ASCII	ANSI	ISO-8859-1	UTF-8	DESCRIPTION

ASCII	ANSI	ISO-8859-1	UTF-8	DESCRIPTION
	228	228	228	ä
	229	229	229	å
	230	230	230	æ
	231	231	231	ç
	232	232	232	è
	233	233	233	é
	234	234	234	ê
	235	235	235	ë
	236	236	236	ì
	237	237	237	í
	238	238	238	î
	239	239	239	ï
	240	240	240	ð
	241	241	241	ñ
	242	242	242	ò
	243	243	243	ó
	244	244	244	ô
	245	245	245	õ
	246	246	246	ö
	247	247	247	÷
	248	248	248	ø
	249	249	249	ù
	250	250	250	ú
	251	251	251	û
	252	252	252	ü

ASCII	ANSI	ISO-8859-1	UTF-8	DESCRIPTION
	253	253	253	ý
	254	254	254	þ
	255	255	255	ÿ