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Assignment C-10

- Q.1) Explain Beagle bone black's GP 10 Pin configuration Specify pins used in traffic signal hardware.
- > 1) GP10 (General Purpose Input Output pins) are specified that they can be configured at runtime in variety by ways ranging from Simple output input to serial interface to specialized encoder readings.
 - Dhile the BBB supports up to 69 pins in reality the majority of pins are being used by on board system preferences such as HDM I & LCD abilities.

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-	Traffic Light	BBB P9	BBB 4P10	Description
-	V	Header Pin	Pin	
	LDI	Pq:21	GP10-0-3	N Green
	LD2	18:13	GP10-0-23	E areen
	LD3	P9:22	ap10-0-2	S Cirean
	LD4	P8:-14	GP10 - 0-26	W areen
	LD5	P9:23	apro -0-17	N Green
-	LD6	P8: 13	4910-0-15	6 Yellow
	LD7	P9:24	ap10-0-13	5 yellow
	LD8	P8:16	4/10-0-19	W yellow
	LD9	P9:26	ap10 -0-19	N Red
-	LD10	P8: 17	apro -0-27	E Red
	LDII	P9: 19	GP10 -0-22	S Red
-	LD 12	P8:18	ap10 -0-1	W Red
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[22]	Explain working of	Traffic Sign	red Light
	Traffic Signal ins simple. They signal lights & to The problem is a the signal could vehicles, making traffic signal the right way intersection vehicular flow in a stricts	tallation is include a mer to cont brious. As not react to delay com is alternative to different traffic is	relatively list set of rol their operation. traffic is increased to the additional mon place. ely assigns t moments at permitted to manner
	A controller is displays the sign in red, green ar	ar sequence	et intersections
- whereigh	Real Control of the second		
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1 5 1 1 3 3		87 44	
		ALM.	