

Output

Serial Monitor ×

Message (Enter to send message to 'ESP32-WROOM-DA Module' on '/dev/cu.usbserial-0001')

New Line

115200 baud

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Advertised Device: Name: , Address: 5d:30:d0:da:be:04, manufacturer data: 0600010920023a08584863a7e98a11a08d845065789f433976ecdde2f, rssi: -91
Advertised Device: Name: , Address: 4d:57:87:84:2d:6e, manufacturer data: 4c0010052a18041cb2, txPower: 8, rssi: -56
Advertised Device: Name: , Address: 62:c5:45:75:46:d3, manufacturer data: 4c00090813c60a9bea81b58160800d8871c1087543a, rssi: -83
Advertised Device: Name: , Address: 40:c3:7e:2a:2a:68, manufacturer data: 4c000c0e0811711c489b590684f2aac69e7510064f1d9524ee18, rssi: -74
Advertised Device: Name: , Address: 7c:ae:7c:75:a9:83, manufacturer data: 4c0016080059c9f8e23bec72, rssi: -87
Advertised Device: Name: , Address: 35:fd:9b:25:b6:de, manufacturer data: 06000109210a33047c05f0104795823d32462d4d4b522d3037, rssi: -88
Advertised Device: Name: , Address: f1:49:69:8d:a6:34, manufacturer data: 4c0012020001, rssi: -86
Advertised Device: Name: , Address: 7e:d4:89:fd:59:f6, manufacturer data: 4c0010052a1859775b, txPower: 8, rssi: -47
Advertised Device: Name: , Address: 00:4b:ed:bd:5a:9c, manufacturer data: 4c0010050110d05470, txPower: 12, rssi: -80
Advertised Device: Name: , Address: 6d:4a:7e:8d:02:b2f, manufacturer data: 4c000908135b0a13f61b1b581608003b46894dbf240a, rssi: -51
Advertised Device: Name: , Address: 46:ed:37:48:d8:70, manufacturer data: 4c001007761f21c3b50e78, txPower: 12, rssi: -59
Advertised Device: Name: , Address: e1:8f:07:31:8b:ec, manufacturer data: 4c0012026402071106429082036360ec5d0d1144dddb42b00, rssi: -98
Advertised Device: Name: , Address: 5d:58:f6:c4:ed:ec, manufacturer data: 4c00090813bc0a9bea4a1b5816080065fca5f59de61, rssi: -93
Advertised Device: Name: , Address: 76:78:5d:4a:4a:ae, manufacturer data: 4c00090813410a138cf31b581608003708fc0cc7e5, rssi: -82
Advertised Device: Name: , Address: fb:db:ba:10:9f:4f, manufacturer data: 4c001202a003, rssi: -87
Advertised Device: Name: , Address: 47:e2:cb:aa:80:ec, manufacturer data: 4c00160800c52a66eb119e23, rssi: -47
Advertised Device: Name: , Address: 66:57:fe:fb:57:fd, manufacturer data: 4c001006771ea505b587, txPower: 12, rssi: -48
Advertised Device: Name: , Address: 64:86:8d:22:03:0a, manufacturer data: 4c001006441db9269428, txPower: 12, rssi: -63
Advertised Device: Name: , Address: 45:f9:51:4d:8e:2b, manufacturer data: 4c0010077a1f9f62b26f78, txPower: 7, rssi: -86
Advertised Device: Name: , Address: d2:e4:36:77:c2:df, manufacturer data: 4c0012020002, rssi: -47
Advertised Device: Name: , Address: 30:34:33:02:6d:a3, manufacturer data: 06000109202227a0e657de27c07ebf8f7205a30aca6896270c974f82b1, rssi: -98
Advertised Device: Name: , Address: 60:84:8c:c7:6c:65, manufacturer data: 4c001006441db9269428, txPower: 12, rssi: -62
Advertised Device: Name: , Address: 40:87:ac:13:59:a5, manufacturer data: 4c000908136b0a137f31b58160800636cf4d296711b9, rssi: -95
Advertised Device: Name: , Address: 5e:a5:10:dd:ee:9f, manufacturer data: 4c000c0e001ed3f1bf977038c06a04fa8e3810064a1d338b1048, rssi: -91
Advertised Device: Name: , Address: 59:84:cf:15:1e:10, manufacturer data: 4c000c0e001ed3f1bf977038c06a04fa8e3810064a1d338b1048, rssi: -96
Advertised Device: Name: , Address: 2e:08:2c:30:01:fa, manufacturer data: 4c000908003550a13cbf7, rssi: -98
Advertised Device: Name: , Address: 86:2a:fd:ff:10:5c, manufacturer data: 650001c905, serviceUUID: 0000fe78-0000-1000-8000-00005f9b34fb, rssi: -98, serviceData:
Advertised Device: Name: , Address: 72:7d:45:1f:b4:c3, manufacturer data: 4c00160800e0773553eb6b95, rssi: -60
Advertised Device: Name: , Address: d5:a2:fd:8e:3c:0f, manufacturer data: 4c0012020003, rssi: -59
Advertised Device: Name: , Address: 00:4b:ed:bd:5a:9c, manufacturer data: 4c0010050110395a3b, txPower: 12, rssi: -88
Advertised Device: Name: , Address: c6:3e:3f:55:31:6e, manufacturer data: 4c0012020003, rssi: -65
Advertised Device: Name: , Address: 65:22:41:e0:f0:f0, manufacturer data: 4c000c0e0089480e91eef8d8f36cfcf3b231005331c7a2c67, rssi: -97
Advertised Device: Name: , Address: 55:7c:5d:e5:a9:3f, manufacturer data: 4c0010050e18a2c597, txPower: 12, rssi: -96

Devices found: 35
Scan done!
```

```
BLE Advertised Device found: Name: Jaz Laura, Address: 24:ec:4a:c9:83:5a, serviceUUID: 0d40473e-9b72-4421-b5d8-ee5f1a9b8692, txPower: 9, rssi: -62
Forming a connection to 24:ec:4a:c9:83:5a
- Created client
- Connected to server
- Found our service
- Found our characteristic

The characteristic value was: Hello World
We are now connected to the BLE Server.
Setting new characteristic value to "Time since boot: 3"
Notify callback for characteristic 61e012d4-d5ea-4382-8ddd-1c13a06f14c9 of data length 11
data: Hello World

Setting new characteristic value to "Time since boot: 4"
Notify callback for characteristic 61e012d4-d5ea-4382-8ddd-1c13a06f14c9 of data length 11
data: Hello World

Setting new characteristic value to "Time since boot: 5"
Notify callback for characteristic 61e012d4-d5ea-4382-8ddd-1c13a06f14c9 of data length 11
data: Hello World

Setting new characteristic value to "Time since boot: 6"
Notify callback for characteristic 61e012d4-d5ea-4382-8ddd-1c13a06f14c9 of data length 11
data: Hello World

Setting new characteristic value to "Time since boot: 7"
Notify callback for characteristic 61e012d4-d5ea-4382-8ddd-1c13a06f14c9 of data length 11
data: Hello World
```

Received data as client

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Received Distance: 9.12 cm | Max: 9.12 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 15"
Received Distance: 9.53 cm | Max: 9.53 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 16"
Received Distance: 9.93 cm | Max: 9.93 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 17"
Received Distance: 10.28 cm | Max: 10.28 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 18"
Received Distance: 10.11 cm | Max: 10.28 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 19"
Received Distance: 10.31 cm | Max: 10.31 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 20"
Received Distance: 9.68 cm | Max: 10.31 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 21"
Received Distance: 9.06 cm | Max: 10.31 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 22"
Received Distance: 8.35 cm | Max: 10.31 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 23"
Received Distance: 7.75 cm | Max: 10.31 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 24"
Received Distance: 6.73 cm | Max: 10.31 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 25"
Received Distance: 9.98 cm | Max: 10.31 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 26"
Received Distance: 11.88 cm | Max: 11.88 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 27"
Received Distance: 16.67 cm | Max: 16.67 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 28"
Received Distance: 17.04 cm | Max: 17.04 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 29"
Received Distance: 17.35 cm | Max: 17.35 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 31"
Received Distance: 15.10 cm | Max: 17.35 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 32"
Setting new characteristic value to "Time since boot: 33"

Received Distance: 29.13 cm | Max: 29.56 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 181"
Received Distance: 26.09 cm | Max: 29.56 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 182"
Received Distance: 26.15 cm | Max: 29.56 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 183"
Received Distance: 23.73 cm | Max: 29.56 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 184"
Received Distance: 25.97 cm | Max: 29.56 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 185"
Received Distance: 28.73 cm | Max: 29.56 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 186"
Setting new characteristic value to "Time since boot: 187"
Setting new characteristic value to "Time since boot: 188"
Setting new characteristic value to "Time since boot: 189"
Setting new characteristic value to "Time since boot: 190"
Setting new characteristic value to "Time since boot: 191"
Setting new characteristic value to "Time since boot: 192"
Setting new characteristic value to "Time since boot: 193"
Setting new characteristic value to "Time since boot: 194"
Setting new characteristic value to "Time since boot: 195"
Setting new characteristic value to "Time since boot: 196"
Setting new characteristic value to "Time since boot: 197"
Setting new characteristic value to "Time since boot: 198"
Setting new characteristic value to "Time since boot: 199"
Setting new characteristic value to "Time since boot: 200"
Setting new characteristic value to "Time since boot: 201"
Setting new characteristic value to "Time since boot: 202"
Setting new characteristic value to "Time since boot: 203"
Setting new characteristic value to "Time since boot: 204"
Received Distance: 22.93 cm | Max: 29.56 cm | Min: 0.00 cm
Setting new characteristic value to "Time since boot: 205"
Setting new characteristic value to "Time since boot: 206"
Setting new characteristic value to "Time since boot: 207"
Setting new characteristic value to "Time since boot: 208"

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Connection As Server

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Notify value: Hello World
Notify value: Hello World
Notify value: Hello World
Notify value: Hello World
Notify value: Hello World
Notify value: Hello World
Notify value: Hello World
Notify value: Hello World
Notify value: Hello World

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❏Starting BLE work!

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Characteristic defined! Now you can read it in your phone!

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Server Data (over 30 not notify, regular that notifyt)

Raw Distance: 21.03 cm		Filtered Distance: 17.37 cm
Notify value: 17.37 cm		
Raw Distance: 22.52 cm		Filtered Distance: 21.88 cm
Notify value: 21.88 cm		
Raw Distance: 21.64 cm		Filtered Distance: 21.88 cm
Notify value: 21.88 cm		
Raw Distance: 21.66 cm		Filtered Distance: 21.88 cm
Notify value: 21.88 cm		
Raw Distance: 22.52 cm		Filtered Distance: 21.88 cm
Notify value: 21.88 cm		
Raw Distance: 22.10 cm		Filtered Distance: 22.09 cm
Notify value: 22.09 cm		
Raw Distance: 22.52 cm		Filtered Distance: 22.09 cm
Notify value: 22.09 cm		
Raw Distance: 22.10 cm		Filtered Distance: 22.18 cm
Notify value: 22.18 cm		
Raw Distance: 22.52 cm		Filtered Distance: 22.35 cm
Notify value: 22.35 cm		
Raw Distance: 22.52 cm		Filtered Distance: 22.35 cm
Notify value: 22.35 cm		
Raw Distance: 16.81 cm		Filtered Distance: 21.30 cm
Notify value: 21.30 cm		
Raw Distance: 14.35 cm		Filtered Distance: 19.66 cm
Notify value: 19.66 cm		
Raw Distance: 4.28 cm		Filtered Distance: 16.10 cm
Notify value: 16.10 cm		
Raw Distance: 4.44 cm		Filtered Distance: 12.48 cm
Notify value: 12.48 cm		
Raw Distance: 6.89 cm		Filtered Distance: 9.35 cm
Notify value: 9.35 cm		
Raw Distance: 0.00 cm		Filtered Distance: 5.99 cm
Notify value: 5.99 cm		
Raw Distance: 0.00 cm		Filtered Distance: 3.12 cm
Notify value: 3.12 cm		
Raw Distance: 0.00 cm		Filtered Distance: 2.26 cm
Notify value: 2.26 cm		
Raw Distance: 26.25 cm		Filtered Distance: 10.54 cm
Notify value: 10.54 cm		
Raw Distance: 26.32 cm		Filtered Distance: 15.80 cm
Notify value: 15.80 cm		
Raw Distance: 3.01 cm		Filtered Distance: 16.41 cm
Notify value: 16.41 cm		
Raw Distance: 26.32 cm		Filtered Distance: 21.67 cm
Notify value: 21.67 cm		
Raw Distance: 3.60 cm		Filtered Distance: 17.10 cm
Notify value: 17.10 cm		
Raw Distance: 26.32 cm		Filtered Distance: 17.11 cm
Notify value: 17.11 cm		
Raw Distance: 50.32 cm		Filtered Distance: 21.91 cm
Notify value: 21.91 cm		
Raw Distance: 52.96 cm		Filtered Distance: 31.90 cm
Raw Distance: 54.25 cm		Filtered Distance: 37.49 cm
Raw Distance: 2976.45 cm		Filtered Distance: 632.06 cm
Raw Distance: 9.15 cm		Filtered Distance: 628.62 cm
Raw Distance: 14.25 cm		Filtered Distance: 621.41 cm
Raw Distance: 52.72 cm		Filtered Distance: 621.36 cm
Raw Distance: 52.56 cm		Filtered Distance: 621.02 cm
Raw Distance: 52.68 cm		Filtered Distance: 36.27 cm
Raw Distance: 52.87 cm		Filtered Distance: 45.02 cm
Raw Distance: 9.11 cm		Filtered Distance: 43.99 cm
Raw Distance: 5.41 cm		Filtered Distance: 34.53 cm
Raw Distance: 5.71 cm		Filtered Distance: 25.16 cm
Notify value: 25.16 cm		
Raw Distance: 6.63 cm		Filtered Distance: 15.95 cm
Notify value: 15.95 cm		
Raw Distance: 25.18 cm		Filtered Distance: 10.41 cm
Notify value: 10.41 cm		
Raw Distance: 12.44 cm		Filtered Distance: 11.07 cm
Notify value: 11.07 cm		
Raw Distance: 12.31 cm		Filtered Distance: 12.45 cm
Notify value: 12.45 cm		
Raw Distance: 12.34 cm		Filtered Distance: 12.35 cm
Notify value: 12.35 cm		
Raw Distance: 12.34 cm		Filtered Distance: 12.34 cm
Notify value: 12.34 cm		
Raw Distance: 11.95 cm		Filtered Distance: 12.26 cm
Notify value: 12.26 cm		
Raw Distance: 11.95 cm		Filtered Distance: 12.19 cm
Notify value: 12.19 cm		
Raw Distance: 12.34 cm		Filtered Distance: 12.19 cm
Notify value: 12.19 cm		
Raw Distance: 12.34 cm		Filtered Distance: 12.19 cm
Notify value: 12.19 cm		
Raw Distance: 12.36 cm		Filtered Distance: 12.19 cm
Notify value: 12.19 cm		
Raw Distance: 11.95 cm		Filtered Distance: 12.19 cm
Notify value: 12.19 cm		
Raw Distance: 12.36 cm		Filtered Distance: 12.27 cm
Notify value: 12.27 cm		
Raw Distance: 12.36 cm		Filtered Distance: 12.27 cm
Notify value: 12.27 cm		
Raw Distance: 12.34 cm		Filtered Distance: 12.27 cm
Notify value: 12.27 cm		
Raw Distance: 12.34 cm		Filtered Distance: 12.27 cm
Notify value: 12.27 cm		
Raw Distance: 12.34 cm		Filtered Distance: 12.35 cm
Notify value: 12.35 cm		
Raw Distance: 11.93 cm		Filtered Distance: 12.26 cm
Notify value: 12.26 cm		
Raw Distance: 12.36 cm		Filtered Distance: 12.26 cm
Notify value: 12.26 cm		
Raw Distance: 11.95 cm		Filtered Distance: 12.19 cm
Notify value: 12.19 cm		
Raw Distance: 12.05 cm		Filtered Distance: 12.13 cm
Notify value: 12.13 cm		
Raw Distance: 11.95 cm		Filtered Distance: 12.05 cm
Notify value: 12.05 cm		

Jazmyn helped me with the code and figured that we can reset esp32 when serial output is giving gibberish.