

Write a main function that uses `sprintf()` to populate "name" and the number 920530550 to a character array.

Write code so that the 28 pin DIP PIC24HJxxxGP502 microcontroller is displaying through the serial port the distance using the Sharp GP2Y0A02YK0F infrared range finder. The distance of an object between 8 to 60 inches should be accurate to ± 1 inch.