A) Write a struct to store the description of a transistor: a part number of up to 10 characters, the beta value (a double), and the type (NPN or PNP).

B) Write code to create a transistor record and set the values to: number=2N2222, type: NPN, beta=100.

C) Assume this struct: struct Circle {double radius; double x; double y;};
Write a function to compute the area of the circle ($\pi r^2$).

D) Write a function that returns 1 if two circles are equal, zero otherwise.

E) Rewrite your transistor struct as a typedef.