```c
/*
Name: Larry Nguyen
Lab #2
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Description: This program will create an interactive foreign currency exchange rates.
*/

int main()
{
        //United States Dollar conversion rates
        const float DollarToEuro = 0.90;
        const float DollarToYen = 109.94;
        const float DollarToPound = 0.77;
        const float DollarToAUD = 1.45;
        const float DollarToCAD = 1.31;
        //Euro conversion rates
        const float EuroToDollar = 1/DollarToEuro;
        const float EuroToYen = 122.40;
        const float EuroToPound = 0.85;
        const float EuroToAUD = 1.61;
        const float EuroToCAD = 1.45;
        //Japanese Yen conversion rates
        const float YenToDollar = 1/DollarToYen;
        const float YenToEuro = 1/EuroToYen;
        const float YenToPound = 0.0070;
        const float YenToAUD = 0.013;
        const float YenToCAD = 0.012;
        //Pound Sterling conversion rates
        const float PoundToDollar = 1/DollarToPound;
        const float PoundToEuro = 1/EuroToPound;
        const float PoundToYen = 1/YenToPound;
        const float PoundToAUD = 1.89;
        const float PoundToCAD = 1.70;
        //Australian Dollar conversion rates
        const float AUDToDollar = 1/DollarToAUD;
        const float AUDToEuro = 1/EuroToAUD;
        const float AUDToYen = 1/YenToAUD;
        const float AUDToPound = 1/PoundToAUD;
        const float AUDToCAD = 0.90;
        //Canadian Dollar conversion rates
        const float CADToDollar = 1/DollarToCAD;
        const float CADToEuro = 1/EuroToCAD;
        const float CADToYen = 1/YenToCAD;
        const float CADToPound = 1/PoundToCAD;
        const float CADToAUD = 1/AUDToCAD;

        //Defining variables to store weight units
        float currency = 0.0;

        //Ask user to input currency amount
        printf("Please enter currency amount:  ");
        //Get currency amount from user
        scanf("%f",&currency);

        //Print results on screen
        printf("\n\n\t USD \t Euro \t Yen \t Pound(s) AUD \t CAD ") ;
        printf("\n\n USD \t %5.2f \t %5.2f \t %5.2f %5.2f \t %5.2f \t %5.2f",currency, currency*DollarToEuro, currency*DollarToYen, currency*
DollarToPound, currency*DollarToAUD, currency*DollarToCAD );
        printf("\n\n Euro \t %5.2f \t %5.2f \t %5.2f %5.2f \t %5.2f \t %5.2f",currency*EuroToDollar, currency, currency*EuroToYen, currency*
EuroToPound, currency*EuroToAUD, currency*EuroToCAD );
        printf("\n\n Yen \t %5.3f \t %5.3f \t %5.3f  %5.3f \t %5.3f \t %5.3f",currency*YenToDollar, currency*YenToEuro, currency, currency*
YenToPound, currency*YenToAUD, currency*YenToCAD );
        printf("\n\n Pound(s)%5.2f \t %5.2f \t %5.2f %5.2f \t %5.2f \t %5.2f",currency*PoundToDollar, currency*PoundToEuro, currency*
PoundToYen, currency, currency*PoundToAUD, currency*PoundToCAD );
        printf("\n\n AUD \t %5.2f \t %5.2f \t %5.2f %5.2f \t %5.2f \t %5.2f",currency*AUDToDollar, currency*AUDToEuro, currency*AUDToYen,
currency*AUDToPound, currency, currency*AUDToCAD );
        printf("\n\n CAD \t %5.2f \t %5.2f \t %5.2f %5.2f \t %5.2f \t %5.2f",currency*CADToDollar, currency*CADToEuro, currency*CADToYen,
currency*CADToPound, currency*CADToAUD, currency );
        return 0;
}
```