

```
% This script calculates the area of a circle
% It prompts the user for the radius

%Prompt the user for the radius and calculate the area based on that radius
fprintf('Note: the units will be inches. \n')
radius = input('Please enter the radius: ');
area = pi * (radius ^2) ;

%Print all variables in a sentence format
fprintf('For a circle with a radius of %.2f inches, \n' ,radius)
fprintf('the area is %.2f inches squared \n' , area)
```