Start Program

Prompt user for radius.

Read radius.

Stop Program

No

Yes

Print results.

Declare the area variable and set its value to radius \* radius \* 3.14159.

Declare the circumference variable and set its value to 2 \* radius \* 3.14159.

Message user that value is invalid.

Declare radius variable and set its value to the user input.

Is value valid?