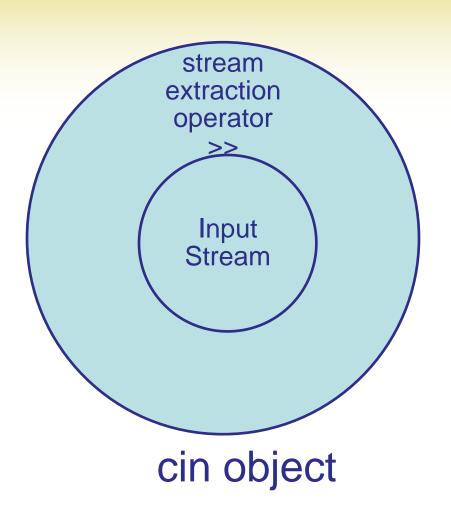
Chapter 3 Objects

The cin Object

- cin is an object instantiated from the istream class
- iostream header file
 - contains istream class declaration
 - contains variable declaration for cin

```
istream cin;
```

instantiates cin object



The cin Object

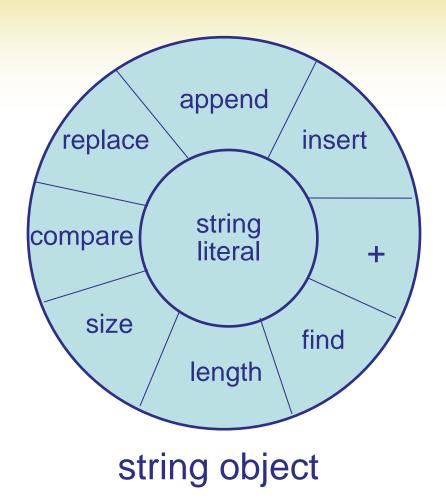
- istream class contains function declarations for reading characters
 - ignore()
 - get()
- Function calls use the following format
 - objectName.functionName()
 cin.ignore();
 cin.get();



The string Object

 Function calls use the following format objectName.functionName()

Example



Function Calls

Object Member Functions

- Data and functions are together in object.
- Every object created from the same class has the same functions.
- Call must always include the name of the object to specify what data is being accessed/modified.
- Example:

```
int size=city.length();
```

Procedural Functions

- Data is separate from functions.
- Only name of function is needed to call functions.
- Example:

```
double root = sqrt(4);
```