else
  others++;
  cin.get(ch);  // get next character
}
cout << chars << " letters, "
  << whitespace << " whitespace, "
  << digits << " digits, "
  << punct << " punctuations, "
  << others << " others.\n";
return 0;
}

Here is a sample run; note that the white-space count includes newlines:

Enter text for analysis, and type @ to terminate input.
Jody "Java-Java" Joystone, noted restaurant critic,
celebrated her 39th birthday with a carafe of 1982
Chateau Panda.@
89 letters, 16 whitespace, 6 digits, 6 punctuations, 0 others.

Table 6.4 summarizes the functions available in the cctype package. Some systems may
lack some of these functions or have additional ones.