```cpp
// File: basics.cpp
// Created by: Isaiah Green
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#include <iostream>
using namespace std;

int main()
{
  double x;
  int y, z;
  char character;

  cout << "Enter a character: ";
  cin >> character;
  cout << "Enter value for double value x: ";
  cin >> x;
  cout << "Enter value for integer value y: ";
  cin >> y;
  cout << "Enter value for integer value z: ";
  cin >> z;
  cout << endl;

  cout << "Your character is " << character << endl;
  cout << "Your value for x is "  << x << endl;
  cout << "Your value for y is "  << y << endl;
  cout << "Your value for z is "  << z << endl;
  cout << endl;

  cout << "The reciprocal of x is "  << 1/x << endl;
  cout << "x/z is "  << x/z << endl;
  cout << "x + y + z is "  << x+y+z << endl;
  cout << endl;

  cout << "The reciprocal of y is "  << (double) 1/y << endl;
  cout << "The reciprocal of z is "  << (double) 1/z << endl;
  cout << "y/z is " << y/z << endl;
  cout << "y modulus z is " << y%z << endl;

  return (0);
}
```