**1 XMVECTOR**

1. 打印FXMVECTOR内容的函数；
2. XMVECTOR n = XMVectorSet(1.0f, 0.0f, 0.0f, 0.0f);

XMVECTOR u = XMVectorSet(1.0f, 2.0f, 3.0f, 0.0f);

XMVECTOR v = XMVectorSet(-2.0f, 1.0f, -3.0f, 0.0f);

XMVECTOR w = XMVectorSet(0.707f, 0.707f, 0.0f, 0.0f);

3, cout << "u = " << u << endl;

cout << "v = " << v << endl;

cout << "w = " << w << endl;

cout << "n = " << n << endl;

cout << "a = u + v = " << a << endl;

cout << "b = u - v = " << b << endl;

cout << "c = 10 \* u = " << c << endl;

cout << "d = u / ||u|| = " << d << endl;

cout << "e = u x v = " << e << endl;

cout << "L = ||u|| = " << L << endl;

cout << "s = u.v = " << s << endl;

cout << "projW(w,n) = " << projW << endl;

cout << "perpW = " << perpW << endl;

cout << "projW + perpW == w = " << equal << endl;

cout << "projW + perpW != w = " << notEqual << endl;

cout << "angle = " << angleDegrees << endl;