```
#ifndef MY_MATRIX3
#define MY_MATRIX3
#include "MyVector3D.h"
class MyMatrix3
public:
       MyMatrix3();
       MyMatrix3(
              double all, double all, double all,
              double a21, double a22, double a23,
              double a31, double a32, double a33);
       MyMatrix3(MyVector3D row1, MyVector3D row2, MyVector3D row3);
       ~MyMatrix3();
       std::string toString()const;
       MyMatrix3 operator +(const MyMatrix3 other) const;
       MyMatrix3 operator -(const MyMatrix3 other) const;
       MyMatrix3 operator *(const MyMatrix3 other) const;
       MyVector3D operator *(const MyVector3D vector)const;
       MyMatrix3 operator *(const double scale)const;
       MyMatrix3 transpose()const;
       double determinant() const;
       MyMatrix3 inverse() const;
       MyVector3D row(int row)const;
       MyVector3D column(int column) const;
       bool operator ==(const MyMatrix3 other)const;
       bool operator !=(const MyMatrix3 other)const;
       static MyMatrix3 rotationZ(double angleRadians);
       static MyMatrix3 rotationY(double angleRadians);
       static MyMatrix3 rotationX(double angleRadians);
       static MyMatrix3 translation(MyVector3D displacement); // 2d translation make
sure z=1
       static MyMatrix3 scale(double scalingfactor);
private:
       double m11;
       double m12;
       double m13;
       double m21;
       double m22;
       double m23;
       double m31;
       double m32;
       double m33;
};
MyVector3D operator *(const MyVector3D vector, const MyMatrix3 matrix);
#endif // !MY_MATRIX3
```