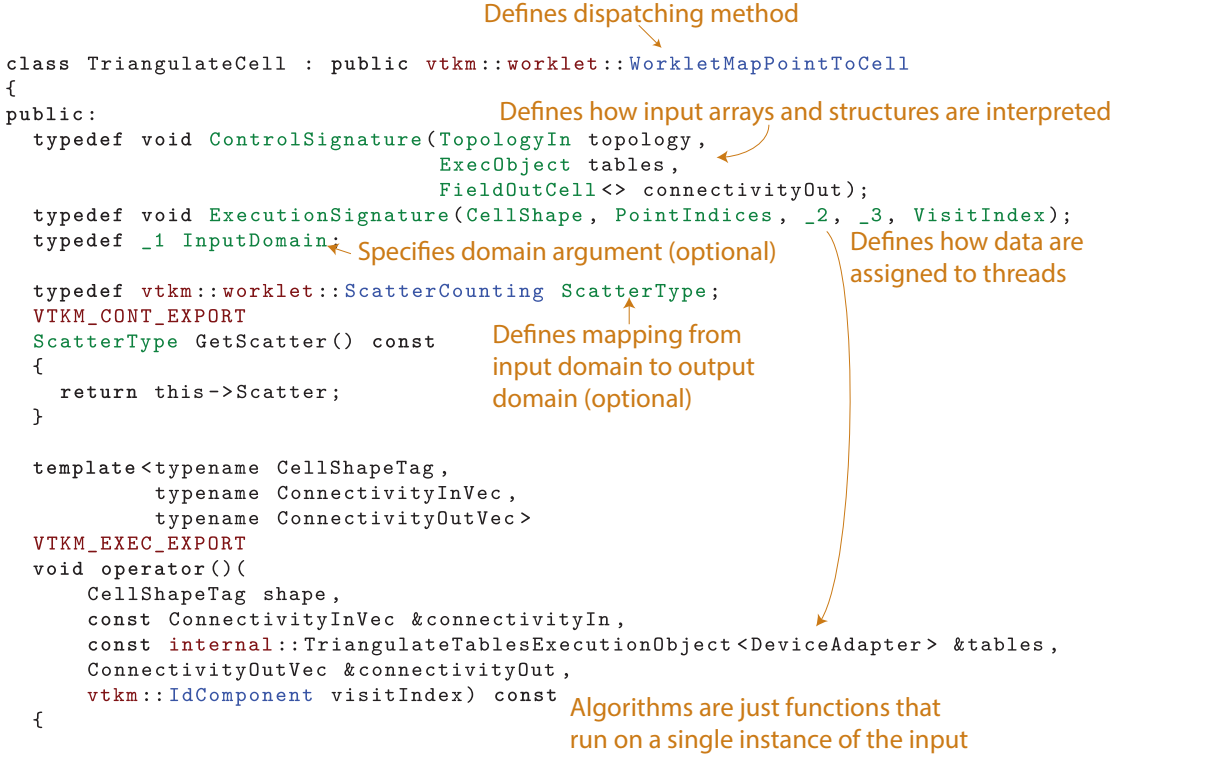
Defines dispatching method
class TriangulateCell : public vtkm::worklet::WorkletMapPointToCell
{
public:
Defines how input arrays and structures are interpreted
typedef void ControlSignature(TopologyIn topology,
ExecObject tables,
FieldOutCell<> connectivityOut);
typedef void ExecutionSignature(CellShape, PointIndices, _2, _3, VisitIndex);
typedef _1 InputDomain;
Specifies domain argument (optional)
Defines how data are assigned to threads
typedef vtkm::worklet::ScatterCounting ScatterType;
VTKM_CONT_EXPORT
ScatterType GetScatter() const
{
return this->Scatter;
}
Defines mapping from input domain to output domain (optional)
template<typename CellShapeTag,
typename ConnectivityInVec,
typename ConnectivityOutVec>
VTKM_EXEC_EXPORT
void operator()(
CellShapeTag shape,
const ConnectivityInVec &connectivityIn,
const internal::TriangulateTablesExecutionObject<DeviceAdapter> &tables,
ConnectivityOutVec &connectivityOut,
vtkm::IdComponent visitIndex) const
{
Algorithms are just functions that run on a single instance of the input