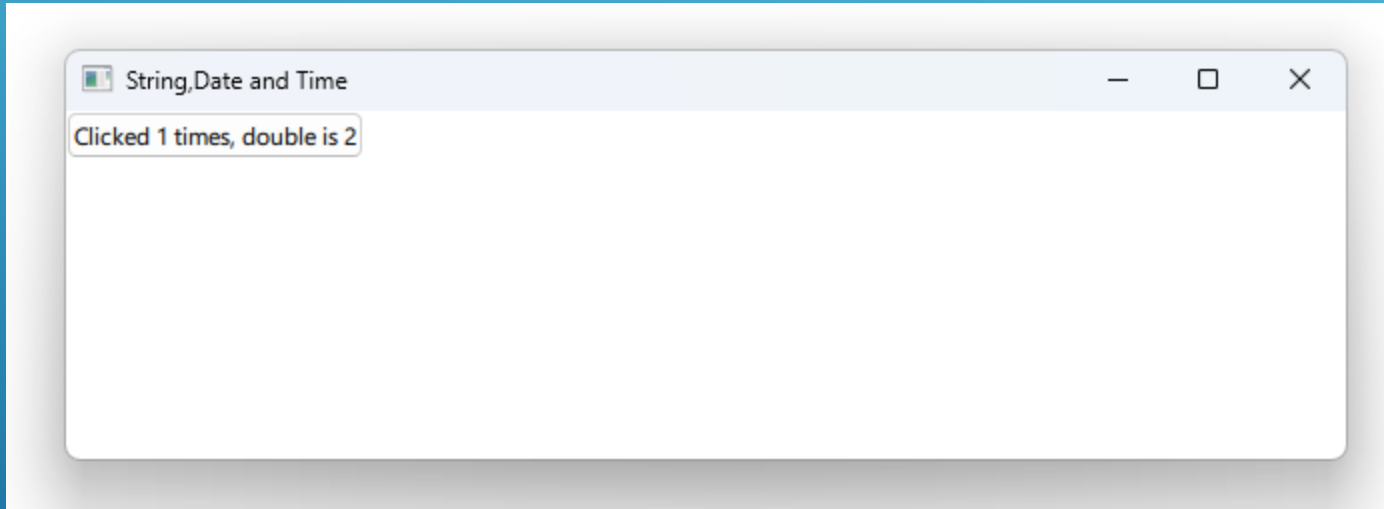


Notes to self

- . Exploring the exchange of data between C++ and QML
 - . In the context of
 - . date
 - . datetime
- . We also show string formatting in QML an addition to regular JS
 - . property string mValue: "Clicked %1 times, double is %2"

QML and C++ : Exchanging Date and DateTime Info



The C++ Side

```
//Sending to QML
void CppClass::cppSlot()
{
    //emit sendDateTime(QDateTime::currentDateTime());
    emit sendTime(QTime::currentTime());
}

//Receiving from QML
void CppClass::timeSlot(QTime time)
{
    qDebug() << "Time from QML is :" << time;
}
void CppClass::dateTimeSlot(QDateTime datetime)
{
    qDebug() << "DateTime from QML is :" << datetime ;
}
```

The QML Side : Receiving

```
Connections{
    target: CppClass
    //Receiving data from C++
    function onSendDateTime (datetimeparam)
    {
        console.log("Received datetime :"+ datetimeparam);
        //Extract info
        console.log("Year :" + datetimeparam.getFullYear())
        console.log("...",datetimeparam.toGMTString())
    }

    function onSendTime(timeparam){
        console.log("Received time :"+ timeparam);
    }
}
```

The QML Side : Sending

```
Button{
    id : mButton
    text : "Click Me"
    onClicked: {
        //Sending data to C++
        var date = new Date()
        //CppClass.timeSlot(date);
        //CppClass.dateTimeSlot(date)

        //String formatting
        clickCount++
        mButton.text = mValue.arg(clickCount).arg(clickCount*2)
    }
}
```