FastDDS SHM communication between Publisher and Subscriber

Install FastDDS, FastCDR and FastDDS-Gen packages in terminal

Generate message related files in Fastdssgen with Java:

java -jar /Users/hanzhengwang/Fast-DDS/src/fastddsgen/share/fastddsgen/java/fastddsgen.jar /Users/hanzhengwang/Desktop/FastDDS_shm/HelloMsg.idl.cpp

Compile:

```
clang++ -std=c++17 publisher.cpp HelloMsg_idlPubSubTypes.cxx HelloMsg_idlTypeObjectSupport.cxx -o publisher \
    -I/Users/hanzhengwang/FastDDS/install/include \
    -L/Users/hanzhengwang/FastDDS/install/lib -lfastdds -lfastcdr -lpthread\
    -Wl,-rpath,/Users/hanzhengwang/FastDDS/install/lib

clang++ -std=c++17 subscriber.cpp HelloMsg_idlPubSubTypes.cxx HelloMsg_idlTypeObjectSupport.cxx -o subscriber \
    -I/Users/hanzhengwang/FastDDS/install/include \
    -L/Users/hanzhengwang/FastDDS/install/lib -lfastdds -lfastcdr -lpthread\
    -Wl,-rpath,/Users/hanzhengwang/FastDDS/install/lib
```

./publisher
./subscriber

```
[(base) hanzhengwang@Hanzhengs-MacBook-Pro FastDDS_shm % ./publisher
Send: id: 0 with message: Message: Number 0
Send: id: 1 with message: Message: Number 1
Send: id: 2 with message: Message: Number 2
Send: id: 3 with message: Message: Number 3
Send: id: 4 with message: Message: Number 4
Send: id: 5 with message: Message: Number 5
Send: id: 6 with message: Message: Number 6
Send: id: 7 with message: Message: Number 7
Send: id: 8 with message: Message: Number 8
Send: id: 9 with message: Message: Number 9
```

```
[(base) hanzhengwang@Hanzhengs-MacBook-Pro FastDDS_shm % ./subscriber
Start running and waiting for messages...
Received: 2 with Message: Number 2
Received: 3 with Message: Number 3
Received: 4 with Message: Number 4
Received: 5 with Message: Number 5
Received: 6 with Message: Number 6
Received: 7 with Message: Number 7
Received: 8 with Message: Number 8
Received: 9 with Message: Number 9
ç^C
```