

```
1. def FEcallback(inputframe):
2.     FECnn = CnnAcc.run(inputframe)
3.     result = FEpostprocess(FECnn)

4. def main():
5.     CnnAcc= InitAccelerator(priority=0)
6.     Subscriber = Node.subscribe(InputframeTopic, FEcallback)
7.     Subscriber.Spin()
```

(a) ROS example for FE node

```
1. def PRcallback(inputframe):
2.     ... // run CNN and post-processing for PR

3. def main():
4.     CnnAcc= InitAccelerator(priority=1)
5.     ... // Subscribe to topic
```

(b) ROS example for PR node