最基本的 Ryu 程式了。目前沒有控管任何事件，像是一個空殼

Hub 設備的方式

[完整程式碼]

```python
from ryu.base import app_manager
from ryu.controller import ofp_event
from ryu.controller.handler import MAIN_DISPATCHER,set_ev_cls
from ryu.ofproto import ofproto_v1_0


class L2Switch(app_manager.RyuApp):
    OFP_VERSIONS = [ofproto_v1_0.OFP_VERSION]
    def __init__(self,*args,**kwargs):
        super(L2Switch,self).__init__(*args,**kwargs)
    @set_ev_cls(ofp_event.EventOFPPacketIn,MAIN_DISPATCHER)
    def packet_in_handler(self,ev):
```

```python
msg = ev.msg
dp = msg.datapath # Switch
ofp = dp.ofproto
ofp_parser = dp.ofproto_parser

actions = [ofp_parser.OFPActionOutput(ofp.OFPP_FLOOD)]
out = ofp_parser.OFPPacketOut(datapath=dp,buffer_id=msg.buffer_id,in_port=msg.in_port,actions=actions)
dp.send_msg(out)
```