Exercise - 2

21_AIE_213

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Q1. Code of modified number counter

```
from example interfaces.msg import Int16
class NumberCounterNode(Node):
   def init (self):
       self.counter = 0
        self.number subscriber = self.create subscription(
            Int16, "number", self.callback number counter, 10)
        self.counter_publisher = self.create publisher(Int16,
self.server=self.create service(SetBool, "reset count", self.callback res
        self.get logger().info("Number Counter has started!")
   def callback number counter(self, msg):
       self.counter += msg.data
        self.get logger().info(f"{self.counter }")
       counter msg = Int16()
       counter msg.data = self.counter
        self.counter publisher .publish(counter msg)
   def callback reset(self,request,response):
        if request.data:
            self.counter =0
           self.get logger().info("count reset")
            response.success=True
           response.message="count reset sucessfully"
           response.success=False
            response.message="count reset unsucessfully"
       return response
def main(args=None):
    rclpy.init(args=args)
   node = NumberCounterNode()
   rclpy.spin(node)
```

```
rclpy.shutdown()

if __name__ == "__main__":
    main()
```