Example: circular buffer Problem: Write a server task Circular Buffer in Ada that handles a circular buffer with room for 8 data records of type Data. - The server task should have two entries, Put and Get. - Producer tasks should be able to insert data records in the buffer via entry Put. If the buffer is full, a task that calls Put should be blocked. - Consumer tasks should be able to remove data records from the buffer via entry Get. If the buffer is empty, a task that calls Get should be blocked.

Example: circular buffer Problem: Write a protected object Circular Buffer that handles a circular buffer with room for 8 data records of type Data. The protected object should have two entries, Put and Get. Producer tasks should be able to insert data records in the buffer via entry Put. If the buffer is full, a task that calls Put should be blocked. Consumer tasks should be able to remove data records from the buffer via entry Get. If the buffer is empty, a task that calls Get should be blocked.

