1- Modify the IDLE Task to keep it always the farest deadline

2- In every tick increment, calculate the new task deadline and insert it in the correct position in the EDF ready list

```
2998
                       /* ------ Code Added by Abdallah Salem ------ */
2999
                       /* In every tick increment, calculate the new task deadline and insert it in the correct
3001
                        * position in the EDF ready list
3002
3003
                       #if ( configUSE_EDF_SCHEDULER == 1 )
3004
3005
                          /* Task deadline = current tick + task period, then insert it into ready list */
3006
                          listSET_LIST_ITEM_VALUE( &( ( pxTCB )->xStateListItem ), ( pxTCB)->xTaskPeriod + xTaskGetTickCount() );
3007
3009
                       /* ----- End of Code Added by Abdallah Salem ------ */
3010
```

3- Make sure that as soon as a new task is available in the EDF ready list, a context switching should take place. Any task with sooner deadline must preempt task with larger deadline instead of priority