**Assignment – 4**

**Using FreeArtos**

/\* USER CODE END Header\_Task1\_App \*/

**void** **Task1\_App**(**void** **const** \* argument)

{

/\* USER CODE BEGIN Task1\_App \*/

/\* Infinite loop \*/

**for**(;;)

{

**printf**("Task1\n");

HAL\_GPIO\_WritePin(LED14\_GPIO\_Port, GPIO\_PIN\_14, 1);

**printf**("LED 14 ON\n");

HAL\_Delay(500);

HAL\_GPIO\_WritePin(LED14\_GPIO\_Port, GPIO\_PIN\_14, 0);

**printf**("LED 14 OFF\n");

HAL\_Delay(500);

taskYIELD();

osDelay(1);

}

/\* USER CODE END Task1\_App \*/

}

**void** **Task2\_App**(**void** **const** \* argument)

{

/\* USER CODE BEGIN Task2\_App \*/

/\* Infinite loop \*/

**for**(;;)

{

**printf**("Task2\n");

HAL\_GPIO\_WritePin(LED5\_GPIO\_Port, GPIO\_PIN\_5, 1);

**printf**("LED 5 ON\n");

HAL\_Delay(500);

HAL\_GPIO\_WritePin(LED5\_GPIO\_Port, GPIO\_PIN\_5, 0);

**printf**("LED 5 OFF\n");

HAL\_Delay(500);

taskYIELD();

osDelay(1);

}

/\* USER CODE END Task2\_App \*/

}

**void** **Task3\_App**(**void** **const** \* argument)

{

/\* USER CODE BEGIN Task3\_App \*/

/\* Infinite loop \*/

**for**(;;)

{

**printf**("Task3\n");

HAL\_GPIO\_WritePin(LED9\_GPIO\_Port, GPIO\_PIN\_9,1);

**printf**("LED 9 ON\n");

HAL\_Delay(500);

HAL\_GPIO\_WritePin(LED9\_GPIO\_Port, GPIO\_PIN\_9,0);

**printf**("LED 9 OFF\n");

HAL\_Delay(500);

taskYIELD();

osDelay(1);

}

/\* USER CODE END Task3\_App \*/

}

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Using Timmer**

Text

Description automatically generated

**Graphical user interface, text, application

Description automatically generated**