Steps for using FreeRTOS in keil for Lpc2148:

* Extract the freertos zip in the folder. (First time only)
* Paste the extracted folder in the C:\keil (First time only)
* Then open keil4uvision and create new project.
* Then create the main file and add it to the project file.
* Then click on target and go to project-->option for target--> C/C++.
* Click on Define and type the context below.

ARM7\_LPC21xx\_KEIL\_RVDS KEIL\_THUMB\_INTERWORK

* Then in include path add path as like below.

C:\Keil\FreeRTOSV8.2.3\FreeRTOS\Demo\Common\include

C:\Keil\FreeRTOSV8.2.3\FreeRTOS\Source\include

C:\Keil\FreeRTOSV8.2.3\FreeRTOS\Source\portable\RVDS\ARM7\_LPC21xx

.( add third path as dot in include path which indicates the current directory)

* Then in asm part of option for target(paste in include paths)

C:\Keil\FreeRTOSV8.2.3\FreeRTOS\Source\portable\RVDS\ARM7\_LPC21xx

* Then add follwing files from FreeRTOS\FreeRTOSV8.2.3\FreeRTOS\Source

Task.c

List.c

Queue.c

* Then add following files from c:\keil FreeRTOSV8.2.3\FreeRTOS\Source\portable\RVDS\ARM7\_LPC21xx

Port.c

portASM.S (this file appears only when we select Allfiles in file type dialog box).

* Then add following file from c:\keil \ FreeRTOS\FreeRTOSv8.2.3\FreeRtos\portable\memmang

Heap\_2.c

* Then paste the freertosconfig.h file in include folder of source in freertos folder. (First time only)
* Then finally change the content of startup file…☺