1. Create new layer (called jack) in yocto source code folder:

owner@owner-ThinkPad-T60:~/legato/packages/legato.source.16.10.1.SWI9X15Y_07_11_21_00-201702011246/resources/yocto/poky/scripts$ ./yocto-layer create jack

Please enter the layer priority you'd like to use for the layer: [default: 6]

Would you like to have an example recipe created? (y/n) [default: n] y

Please enter the name you'd like to use for your example recipe: [default: example] jacktest

Would you like to have an example bbappend file created? (y/n) [default: n]

New layer created in meta-jack.

Don't forget to add it to your BBLAYERS (for details see meta-jack\README).

Please note that here when you enter the name of your example recipe, it cannot have "_" character.

2. Move the new layer to outermost folder.

owner@owner-ThinkPad-T60:~/legato/packages/legato.source.16.10.1.SWI9X15Y_07_11_21_00-201702011246/resources/yocto/poky/scripts$ mv meta-jack/ ../../

3. Rename the "jacktest-0.1" to "files"

owner@owner-ThinkPad-T60:~/legato/packages/legato.source.16.10.1.SWI9X15Y_07_11_21_00-201702011246/resources/yocto/poky$ mv . /meta-jack/recipes-example/example/jacktest-0.1 . /meta-jack/recipes-example/example/files

4. In yocto/meta-swi-extra/build.sh, enable the new layer:

Enable the meta-swi layer

```
enable_layer "meta-swi" $SWI


# Enable the meta-oe layer

enable_layer "meta-oe" "$OE/meta-oe"


# Enable the meta-networking layer

enable_layer "meta-networking" "$OE/meta-networking"


# Enable the meta-python layer

enable_layer "meta-python" "$OE/meta-python"




enable_layer "meta-jack" "$SWI/../meta-jack"
```

5. In yocto/meta-swi/meta-swi-mdm9x15/recipes-core/images/mdm9x15-image.inc (the file might be changed according to your chipset), add the following:

```
IMAGE_INSTALL += "jacktest"
```

6. Now go to yocto foler and type "make" to build the yocto image.
7. The new image will located in yocto/build_bin/tmp/deploy/images/swi-mdm9x15/ , now download the image to the module. The new hello world file will be in /usr/bin/ in the module file system.