**Making Linux Kernel module.**

On Desktop -->

make directory named 'module'

and keep

hello.c and Makefile here

then run through following steps

Steps -->

open terminal

cd Desktop/

cd module/

make

sudo insmod hello.ko

dmesg

sudo rmmod hello.ko

dmesg

hello.c

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#include <linux/init.h>

#include <linux/module.h>

#include <linux/kernel.h>

static int hello\_init(void){

printk(KERN\_ALERT "HELLO WORLD \n");

return 0;

}

static void hello\_exit(void){

printk(KERN\_ALERT "GOOD BYE \n");

return 0;

}

module\_init(hello\_init);

module\_exit(hello\_exit);

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Makefile

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obj-m+=hello.o

KDIR = /usr/src/linux-headers-5.3.0-46-generic

all:

$(MAKE) -C $(KDIR) SUBDIRS=$(PWD) modules

clean:

rm -rf .o\*.ko\*.mod. \*.symvers \*.order

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linux-headers-5.3.0-46-generic

in makefile

This need to check as given in video with command uname -r

replace only "5.3.0-46-generic" this part