```
O Write a c/c++ program to emulate the Unix
   In Command.
#include<Stdio.h>
#include Sys/types.h>
#include < Unibta. h>
#include < strong. h>
ind main(int alige, char * algv[])
 24 (argc = 3 11 algc > 4 11 (argc = = 4 44 ethanglarguli)
 printf("Ubage: ./a. But [-s] < &g_file > =new_link > \n").
 return 1;
if (algc == 4)
 if ((E) vpro, [6] vpro, [6] vpro) smilmyd))fi
 plant ("Commet Greate Symbolic Linkin);
 pointf("Symbolic link Created\n").
   lif ((link(argu[1], argu[2])) == -1)
 Jyx.
   plantf("Connet Create hold link \n").
    printf(" Hord Link Created \n")
           Create officer is in the Druck)
   returno!
  OID was mother togged ./a. Out -s Incordic 22
                            Symbolic link Created
   goe Incomd.c
   ./a. out Irandic 2
    Hard link Created.
```

Lab-12.

```
(3) White a c/c++ POSIX Complaint phagram that
  plants the POSIX defened Configuration options
  supported on any given system using features
   test macres.
#define _POSIX_SOURCE
                             199309L
Hafine - POSIX-C-SOURCE
#include < Stdio. h>
Finclude < Unistd. h>
(Iniam tri
#sfdef_POSIX_JOB_CONTROL
Dûnstf("System Supports job Control (n").
 plant + (" System does not support jeb control \n"),
#else
# endif
 #ifdef - POSIX-SAN.ED_IDS
plint("System supports saved set-UID and laved"
         Set-GIDIn");
 paintfl' System does not support saved set-UID and
#else
        Soved Set-GID (n"):
 #ifdef. - POSIX-CHOWN_ RESTRICTED
 printf(" chain - resticted option is 1/d/n", _POSIX-CHOWN_RESTRICTE
plint+(" Eystern does not support chosen_Irestricted option In?)
· # eld
 # endit
# Exact .- POSIX-NO-TRUNC
print (" Pothname Lunc option is 1/2 /n", POSIX-NO-TRUDO).
 Printf ("System does not support system-wide pothname
#elx
                                        Distinct 500
         theme option my
                                     S. bush two, Die
 # endif
 Hifder. _POSIX-VDISABLE
```

printf("Disable character for terminal files is id his, box UDISABLE): print\*("system does not buppet \_POSIX\_VOISABLE \n'); #endit LE = RECKLES (J. C. R. DOISEN I O. DON RIPER) "O moutane (oe ((Lid) by all Lid A9) + noe hilling) ( wid " > +" If those OP gee posix.c · la. out posic. c System supposts gets Control System supports saved set-UID and source set-GID chaon-rustricted option (is) only mulety, railyon, 69) + 1860 Pathrame trume option is! Disable character for terminal yiles is o 3 Write a c/c++ program which demonstrates interprecess communication b/w a reader process and a Witer placess. Ux mkfilo, spem, head, white and close. APIs in #include < sys | types.c> # "nclude c Unista, h> # indude < tentl. h> # include < by > | stat. h> # include a Story it I include como. h> # include < stdio. h> int main (int orge, chart orgv[]) int fd; chas buf[256]; if(arge != 2 44 argc != 3) printf("USAGE 1/2 2 tile> [ Zarg>] in", argu[a]);