Hbhishek.R 1BM19C5400 17/12/2020

```
Program 12
 # include < Stdio. h>
 # include Cunistd.h>
 # include < sys/stat.h>
 # include < time.h>
       Point File Properties (Struct Stat Stats)
  Ş
    Should ton dt;
    Printf("In File Permissions: /t");
    if (S_ISDIR(Stats. St_mode))
         Printf ("d");
    else
         Printf("-");
    if (Stats. St_mode & S_IRUSR)
         Printf(" ");
    else
        Printf(" - ");
   if (Stats. St_mode & S_IWUSR)
         Pointf ("w");
    else
      Printf ("-"):
    if ( Stats. St_mode + S_IXUSR)
        Printf ("x");
    else
        Printf ("-");
```

Pointf("It");

Alabat

```
if ( State . St_mode of S-IRGRP)
         Paintf("x");
    else
        Printf ["-");
 if ( stats. St_mode & S_IWGRP)
        Printf (" w");
   else
Parntf("-");
 if ( stats. st_mode & S_ZXGRP)
       Printf ("x");
  else
       Printf ("-");
 Printf ("It");
 if ( Stats. St-mode & S_IROTH)
      Printf("x");
   else
       Printf ("-");
if (Stats. St_mode & S_IWOTH)
      Printf("w"):
 else
     Printf [" -");
if (Stats. St-mode & S-IXOTH)
     Printfl"x");
else
   Printf("-");
```

M. driedel

```
Printf [" In File Size: It % ld", Stats. St_Size);
 Pointf["In Number of links: It % ld", Stats. St. nlink);
 Printf ("In File inode Number: It % ld", Stats St_ino);
 dt = * (9 mtime (f Stats. St-ctime));
 Printf("In file created on: It "lod-"lod - "lod It "lod: "lod",
              dt.tm-mday, dt.tm-mon, dt.tm-year + 1900,
              dt. tm-how, dt. tm-min, dt.tm-Sec);
 dt = + (gmbine (& Stats. St-mbine));
 Printf ["In File last modified on: It %d-%d-%d It %d:%d: %d;
      dt.tm_mday, dt.tm_mon, dt.tm_year+1900, dt.tm_how,
      dt.tm-min, dt.tm-sec);
3
int main()
 char path (1000);
 Struct Stat Stats;
 Printf (" Enter file path:");
 Scanf (" %s", Path);
 if (Stat ( path, & Stats) == 0)
  PrintfileProperhea (Stats);
  else &
    Printfl" unable to get Tile Properties.");
    Printf ("In Check whether "105 file existe.", Path);
 3
```

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4

Molichet. P