```
Date à 7/12/2020
Namo: S Skanda
DSM : IBMIACSIST
#Pinclude estation 1
Mindlede estdiboh
Hinchde &process. hs
Struct nocle
¿ ist info;
  struct node + link,
typedet strut node *NODE;
NODE getroole()
{ NODEX;
  x = (NODE) malloc (size of (street node));
  1 L(x== NOLL)
  { pristf. ("Nemory full\s");
   returnxi
NODE insert rear (NODE first, intiten)
 & NODE temp, Cur;
  temp= getnocle ().
  temp sinfo = item;
   tempolink= NULL
   if Cfirst == NULL)
   returntemp;
   Cur = first!
   while (com) light 1= MULL)
     2 curscur - link;
     Corplink = temp;
     return first
```



Mode delete front (MODGRITST) 2 NODE temp; if (first == NIULL) 2 printf ("Listis empty cannot deleko \n");
return first; temp = first; temp = temp > link; priotf ("Item deleted at front is "I'd" first > info); return temp; void display CNODE first { NODE temp; ; f (first = = NULL) for (temp=first; templ=NULL; temp=templink)

printf("/ad In" temp Dinfo); MODE concat (MODE first, MODE Second) NODE CUT if (lirst == NULL) return Second; f (second == XIULL) return first; while (cur > ligk != NULL) cur = cur - link Corplink = Second; return first;

NODE reverse (MODE first) & NODE cur, temp's CUT = MULL; while (first 1= MULL) { temp = first; first = first = link temp > link = cor; MODE Sortlist (MODE First) } MODE correct = first, index = MULL; inttemp; if (first == MURL) { printf ("List is empty"); return (verent) clse { while (Current 1= MULL) } index = corrent > link; while ( index ! = MUZL) & if ( corrent = info > index = info) { temp = corrent sinto; Current Dinfo = inder Dinfo: index sinfo = temp; 3 Index = index > link; querent = (orreal-) link; return corrent

