Week-7 1) Doubly linked lest # Padede & stdio. h> #Padude < stdlib.h> Struct node Car Bullion Care to the ent data; Struct node *prev; Struct node & next? Stract node *SI=NULL; Struct node "Prosent_begin (Struct node * start) Struct node + temp; temp=(struct node &) malloc (893eg (3 truct node)); prints ("Protection value to be Proserted In"): scony (" %d", & temp->data); temp snext=NULL; temp > prev = NULL; Py(start == NULL) Start = temp; 4 else temp > next = start; Stort -> prens temp; Start = temp;

return starts the state of the s

PAGE EDG3 DATE: / / struct rade delevalue (struct node * start, 9nt val) stanct node spta=start; est value = val; while (pts1= NULL) P(pta->data = = value) Chrows is bred - KAD by pty-pred-next=ptx-next; of (b+x-) next I=NULL) ptr->next->pren=brz->pren; ((ptx = = start) Start = pts -> next; free Cptx); pilat ("value 1.d deleted In", value); setus start? blu = policy needs " () prest (" value 1/09 not pourd In", value); Metara start alaxy MSS 5G,

vord display(struct node * stout) Struct node Notes = start's Py (start = = NULL) pulate" in lest to empty in"); clse while (ptx 1=NULL) - pulat (" olad In", pty -> data); pts=pts=next; Port main() Port chorce: while (1) prentf ("In 1. to add in beginning in is but have all to add at end in 3. to display in 4. to delete in 5. exe+ 10"); scan (ugod", & chorce); Swetch (chopce) SI= Paseut-begga (SI); break; alexy MSS 5G case 2:

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DATE: / /

SI=Pasent-end(SI); break? displayeso. breat; Case Li pulity ("Exter the value to delete" "); Est vals scary ("-1.d", tval); SI= delevalue (SI, val); bueale? case so exit(0); default: my prentse wrong chorce"s

alaxy M335G

```
1.to add in beginning
 2.to display
3.to delete
4.exit
1
Enter the value to be inserted
2

    to add in beginning

 2.to display
3.to delete
4.exit
1
Enter the value to be inserted
3
1.to add in beginning
 2.to display
3.to delete
4.exit
1
Enter the value to be inserted
4

    to add in beginning

 2.to display
3.to delete
4.exit
1
Enter the value to be inserted
5

    to add in beginning

 2.to display
3.to delete
4.exit
2
5
4
3
2

    to add in beginning

2.to display
3.to delete
4.exit
3
Enter the value to delete: 4
Value 4 deleted
1.to add in beginning
to display
3.to delete
4.exit
2
5
3
2
```