

```

void display()
{
    struct node * ptr = NULL;
    ptr = head;
    if (ptr == NULL)
    {
        printf("Nothing to print\n");
    }
    else
    {
        while (ptr != NULL)
        {
            printf("%d ", ptr->data);
            ptr = ptr->next;
        }
    }
}

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void delFun()
{
    struct node * temp, * del = NULL;
    if (head == NULL)
    {
        printf("Empty List.\n"); return;
    }
    temp = head;
    int ch, ele;
    printf("Delete at: \n1. Front \n2. Back \n3. Desired Element\n Enter choice : ");
    scanf("%d", &ch);
    {
        case 1: del = head;
                head = head->next;
                printf("Node Deleted.\n");
                break;

        case 2: while (temp->next->next != NULL)
                {
                    temp = temp->next;
                }
                del = temp->next;
                temp->next = NULL;
                printf("Node Deleted.\n");
                break;
    }
}

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case 3: printf("Enter the element to delete\n");
scanf("%d", &ele);
if(head->data == ele)
{ head = head->next; }
else
while (temp->next != NULL)
{ if (temp->next->data == ele)
{ del = temp->next;
temp->next = del->next; }
else
{ temp = temp->next; }
}

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default: if (ch != 4)
{ printf("Enter valid choice "); }
}

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if (del == NULL)
{ printf("Element not found in the list\n"); }
}

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void insert()
{ struct node *temp, *newnode;
int item;
newnode = (struct node *) malloc (sizeof (struct node));
printf("Enter the data\n");
scanf("%d", &item);
newnode->data = item;
if (head == NULL)
{ head = newnode; }
else
{ temp = head;

```

```
while (temp -> next != NULL)
{
    temp = temp -> next;
}
temp -> next = newnode;
newnode -> next = NULL;
printf("Node created\n");
}
}
```