```
Q @
                                                                                 clang-7 -pthread -lm -o main main.c
                                                                                  ./main
1. Insert at the left
2. Insert at the right
          temp->prev->next=temp->next;
          temp->next->prev=temp->prev;
                                                                                   3. Delete
                                                                                   4. Display
                                                                                   5. Exit
void display()
                                                                                 Enter your choice
     struct node *ptr;
                                                                                 Enter the item
     ptr=head;
     while(ptr!=NULL)
                                                                                   1. Insert at the left
                                                                                   2. Insert at the right
          printf("%d\t",ptr->data);
                                                                                   3. Delete
          ptr=ptr->next;
                                                                                   4. Display
                                                                                   5. Exit
     printf("\n");
                                                                                 Enter your choice
                                                                                 Enter the item
                                                                                   1. Insert at the left
int main()
                                                                                   2. Insert at the right
                                                                                   3. Delete
     int choice;
                                                                                   4. Display
                                                                                   5. Exit
     while(1)
                                                                                 Enter your choice
              printf(" 1. Insert at the left \n");
printf(" 2. Insert at the right \n");
printf(" 3. Delete \n");
                                                                                 Enter the item
                                                                                   1. Insert at the left
                                                                                 Enter the item
                                                                                                                                                         Q 🛛
                                                                                  1. Insert at the left
2. Insert at the right
           temp->prev->next=temp->next;
           temp->next->prev=temp->prev;
                                                                                   3. Delete
                                                                                   4. Display
                                                                                  5. Exit
void display()
                                                                                 Enter your choice
      struct node *ptr;
                                                                                 Enter the item
     ptr=head;
while(ptr!=NULL)

    Insert at the left
    Insert at the right

          printf("%d\t",ptr->data);
                                                                                   3. Delete
          ptr=ptr->next;
                                                                                   4. Display
                                                                                   5. Exit
      printf("\n");
                                                                                 Enter your choice

    Insert at the left
    Insert at the right

int main()
                                                                                   3. Delete
                                                                                   4. Display
     int choice:
                                                                                   5. Exit
                                                                                 Enter your choice
                                                                                 Enter the element to be deleted
              printf(" 1. Insert at the left \n");
printf(" 2. Insert at the right \n");
printf(" 3. Delete \n");
                                                                                   1. Insert at the left
```

2. Insert at the right

```
1. Insert at the left

    Insert at the right
    Delete

          temp->prev->next=temp->next;
                                                                                    4. Display
          temp->next->prev=temp->prev;
                                                                                    5. Exit
                                                                                   Enter your choice
void display()

    Insert at the left
    Insert at the right

      struct node *ptr;
      ptr=head;
                                                                                    3. Delete
      while(ptr!=NULL)
                                                                                    4. Display
                                                                                    5. Exit
          printf("%d\t",ptr->data);
                                                                                   Enter your choice
          ptr=ptr->next;
                                                                                   Enter the element to be deleted
      printf("\n");
                                                                                    1. Insert at the left
                                                                                    2. Insert at the right
                                                                                    4. Display
int main()
                                                                                    5. Exit
                                                                                   Enter your choice
     int choice;
                                                                                    1. Insert at the left
2. Insert at the right
3. Delete
              printf(" 1. Insert at the left \n");
printf(" 2. Insert at the right \n");
printf(" 3. Delete \n");
                                                                                    4. Display
                                                                                    5. Exit
                                                                                                                                                              Q 🛛
                                                                                    Enter your choice
                                                                                    Enter the element to be deleted
           temp->prev->next=temp->next;
           temp->next->prev=temp->prev;

    Insert at the left
    Insert at the right

                                                                                     3. Delete
void display()
                                                                                     4. Display
                                                                                     5. Exit
      struct node *ptr;
                                                                                    Enter your choice
      ptr=head;
      while(ptr!=NULL)
                                                                                     1. Insert at the left
           printf("%d\t",ptr->data);
                                                                                     2. Insert at the right
           ptr=ptr->next;
                                                                                     3. Delete
                                                                                     4. Display
      printf("\n");
                                                                                     5. Exit
                                                                                    Enter your choice
                                                                                    Enter the element to be deleted
int main()

    Insert at the left
    Insert at the right

     int choice:
                                                                                     3. Delete
                                                                                     4. Display
                                                                                     5. Exit
                                                                                    Enter your choice
               printf(" 1. Insert at the left \n");
printf(" 2. Insert at the right \n");
printf(" 3. Delete \n");
```

1. Insert at the left