C++ code to implement Doubly Linked list

#include <iostream>

using namespace std;

struct Node {

   int data;

   struct Node \*prev;

   struct Node \*next;

};

struct Node\* head = NULL;

void insert(int newdata) {

   struct Node\* newnode = (struct Node\*) malloc(sizeof(struct Node));

   newnode->data = newdata;

   newnode->prev = NULL;

   newnode->next = head;

   if(head != NULL)

   head->prev = newnode ;

   head = newnode;

}

void display() {

   struct Node\* ptr;

   ptr = head;

   while(ptr != NULL) {

      cout<< ptr->data <<" ";

      ptr = ptr->next;

   }

}

int main() {

   insert(3);

   insert(1);

   insert(7);

   insert(2);

   insert(9);

   cout<<"The doubly linked list is: ";

   display();

   return 0;