**Stack:**

#include <iostream>

#include <stack>

using namespace std;

int main()

{

stack<int> Stack; // LIFO

Stack.push(300);

Stack.push(70);

Stack.push(32);

Stack.push(91);

Stack.push(4);

Stack.push(147);

Stack.push(496);

Stack.pop();

Stack.pop();

Stack.pop();

while (!Stack.empty())

{

cout << "The element is : " << Stack.top() << endl;

Stack.pop();

}

}

**Queue:**

#include <iostream>

#include <queue>

using namespace std;

int main()

{

queue<int> Queue; // FIFO

Queue.push(0); //Front

Queue.push(1);

Queue.push(2);

Queue.push(3);

Queue.push(4); // Back

// queue has element 0,1,2,3,4

Queue.pop();

// after poping one element queue becomes 1,2,3,4

// Printing queue elements

cout << "The elements of queue are : ";

while (!Queue.empty())

{

cout << ' ' << Queue.front();

Queue.pop();

}

}

**Priority Queue:**

#include <iostream>

#include <queue>

using namespace std;

void displaypq(priority\_queue<int> pq)

{

priority\_queue<int> pqueue = pq;

while (!pqueue.empty())

{

cout << ' ' << pqueue.top();

pqueue.pop();

}

cout << endl;

}

int main()

{

priority\_queue<int> pq; //FIFO

pq.push(1);

pq.push(3);

pq.push(11);

pq.push(15);

pq.push(5);

pq.push(7);

pq.push(9);

pq.pop();

cout << "Top element of the queue : " << pq.top() << endl << endl;

cout << "The priority queue pq is : ";

displaypq(pq);

cout << endl;

cout << "Priority queue, after operation : ";

pq.pop();

displaypq(pq);

return 0;

}

**Linked List:**

#include <cstddef>

#include <iostream>

using namespace std;

class Node {

public:

int data;

Node\* next;

};

void print\_list(Node\* n) {

while (n != NULL) {

cout << n->data << " ";

n = n->next;

}

}

int main() {

Node\* head = NULL;

Node\* second = NULL;

Node\* third = NULL;

Node\* fourth = NULL;

Node\* fifth = NULL;

head = new Node();

second = new Node();

third = new Node();

fourth = new Node();

fifth = new Node();

head->data = 1;

head->next = second;

second->data = 2;

second->next = third;

third->data = 3;

third->next = fourth;

fourth->data = 4;

fourth->next = fifth;

fifth->data = 5;

fifth->next = NULL;

print\_list(head);

}

**Array:**

#include <iostream>

using namespace std;

int main() {

int numbers[5];

cout << "Enter 5 numbers : " << endl;

// store input from user to array

for (int i = 0; i < 5; ++i) {

cin >> numbers[i];

}

cout << "The numbers are : ";

// print array elements

for (int n = 0; n < 5; ++n) {

cout << numbers[n] << " ";

}

return 0;

}