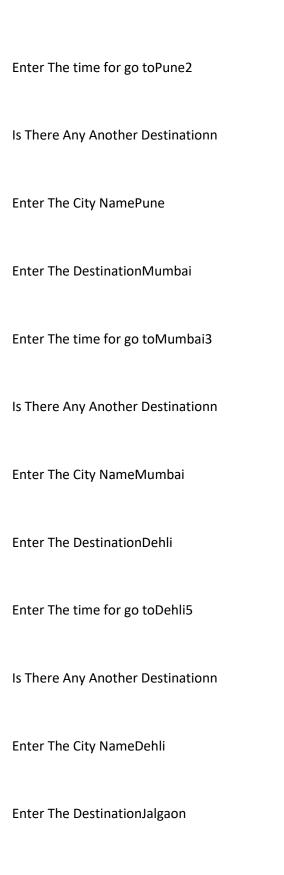
```
Group B2
Title:- Use Adjacency List Representation Of Weighted graph.
#include<iostream>
using namespace std;
struct enode{
    string dest;
    int time;
    enode *link;
};
struct hnode{
    string city;
    hnode *down;
    enode *next;
};
class Flight{
  int n;
  hnode *start;
  public:
        Flight(){
            start=NULL;
            n=0;
        void create();
        void show();
};
void Flight::show(){
    hnode *temp;
    enode *tp;
    temp=start;
        while(temp!=NULL){
            cout<<temp->city;
            tp=temp->next;
            while(tp!=NULL){
                 cout<<"->"<<tp->dest<<" | "<<tp->time<<" | ";</pre>
                 tp=tp->link;
            }
            cout<<"\n";</pre>
            temp=temp->down;
        }
}
void Flight::create(){
    enode *temp2;
    int i;
```

```
hnode *h1,*temp1;
enode *s;
char ch;
string data;
cout<<"\nHow many Cities?";</pre>
cin>>n;
while(n){
    h1=new hnode;
    cout<<"\nEnter The City Name";</pre>
    cin>>h1->city;
    h1->next=NULL;
    if(start==NULL){
        start=h1;
        temp1=h1;
    }
    else{
        temp1->down=h1;
        temp1=h1;
    }
    do{
        cout<<"\nEnter The Destination";</pre>
        cin>>data;
        if(data=="no"){
             break;
        }
        else{
             s= new enode;
             cout<<"\nEnter The time for go to"<<data;</pre>
             cin>>s->time;
             s->dest=data;
             s->link=NULL;
             if(temp1->next==NULL){
                 temp1->next=s;
                 temp2=s;
             }
             else{
                 temp2->link=s;
                 temp2=s;
             }
        }
        cout<<"\nIs There Any Another Destination";</pre>
        cin>>ch;
    }while(ch=='y' || ch=='Y');
    n--;
}
```

```
}
int main(){
    Flight f;
    string sc,des;
    char ans;
    int ch,in;
    do{
        cout<<"\n\t1.Create\n\t2.Display\n\t3.Check For Flights";</pre>
        cin>>ch;
        switch (ch)
        case 1: f.create();
                 break;
        case 2: f.show();
                 break;
        default:
                 break;
        }
        cout<<"\nDo You want TO continue?";</pre>
        cin>>ans;
    }while(ans=='y' ||ans=='Y');
    return 0;
}
Output:
   1.Create
   2.Display
1
How many Cities?4
Enter The City NameJalgaon
```

Enter The DestinationPune



Enter The time for go toJalgaon6

Is There Any Another Destinationn

Do You want TO continue?y

1.Create
2.Display

2

Jalgaon->Pune|2|

Pune->Mumbai|3|

Mumbai->Dehli|5|

Dehli->Jalgaon | 6 |