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🚼 main.cpp [TP4] - Code::Blocks 17.12
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                                                                                          Help
doublelinkedlist.cpp
                  × main.cpp × doublelinkedlist.h
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            #include "doublelinkedlist.h"
          /* NAMA: FAHMI RAZAN RAMDANI
            int main()
          □ {
                infotype X, Y, jumlah, jumlah2;
                address P, Prec;
                bool cek;
                cek = false;
                jumlah = 1;
                createList(L);
                createList(L1);
                createList(L2);
                createList(L3);
                cek = isEmpty(L);
                 if(cek == true)
                     cout<<"ya\n";
                    cout<<"tidak\n";
                cout<<"Insert first:\n";
                 cin>>X;
                    createNewElmt(X, P);
                     insertFirst(L, P);
                     jumlah++;
                     cin>>X;
                showList(L);
                createNewElmt(X, P);
                Prec = cariElm(L, Prec, Y);
                insertAfter(L, Prec, P);
                showList(L);
                    createNewElmt(X, P);
                    insertLast(L, P);
                    jumlah++;
                     cin>>X;
                showList(L);
                deleteFirst(L, P);
                showList(L);
                jumlah = jumlah - 1;
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doublelinkedlist.cpp
                   × main.cpp × doublelinkedlist.h
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                     createNewElmt(X, P);
                     insertLast(L, P);
                     jumlah++;
                      cin>>X;
                 showList(L);
                 cout<<"Delete first:\n";
                 deleteFirst(L, P);
                 showList(L);
                 jumlah = jumlah - 1;
                 P = cariElm(L, P, X);
                 cin>>Y;
                 Prec = cariElm(L, Prec, Y);
                 deleteAfter(L, Prec, P);
                 showList(L);
                 jumlah = jumlah - 1;
                 deleteLast(L, P);
                 showList(L);
                 jumlah = jumlah - 1;
                 cout<<"Jumlah elemen: "<<jumlah<<endl;
                 i = median(L, jumlah);
                 jumlah = 0;
                     createNewElmt(X, P);
                     insertLast(L1, P);
                     jumlah++;
                 showList(L1);
                 jumlah2 = 0;
                 while (X != 0) {
                     createNewElmt(X, P);
                     insertLast(L2, P);
                     jumlah2++;
                     cin>>X:
                 showList(L2);
                 concat(L1, L2, L3);
cout<<"L3:\n";</pre>
                 showList(L3);
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doublelinkedlist.cpp X main.cpp X doublelinkedlist.h
            #include "doublelinkedlist.h"
          /* NAMA: FAHMI RAZAN RAMDANI
NIM: 1301194054*/
            bool isEmpty(List L)
          □ {
                bool found;
                found = false;
                if(first(L) == NULL){
                    found = true;
                return found;
            void createList(List &L)
          ₽ {
                first(L) = NULL;
                last(L) = NULL;
            void createNewElmt(infotype X, address &P)
          ₽ {
                P = new elmlist;
                info(P) = X;
                next(P) = NULL;
                prev(P) = NULL;
            void insertFirst(List &L, address P)
          ፲ {
                if(first(L) == NULL){
                    last(L) = P;
                    next(P) = first(L);
                    prev(first(L)) = P;
                    first(L) = P;
            void insertAfter(List &L, address Prec, address P)
          □ {
                next(P) = next(Prec);
                next(Prec) = P;
                prev(P) = Prec;
                prev(next(P)) = P;
            address cariElm(List L, address &P, infotype X)
                bool found;
                found = false;
                while (P != NULL && !found) {
                    if(info(P) == X){
                        found = true;
                    P = next(P);
                if(info(P) == X){
                    return P;
            void insertLast(List &L, address P)
          - {
                address Q;
                if(last(L) == NULL){
                    first(L) = P;
                    last(L) = P;
                    Q = last(L);
                    next(Q) = P;
                    prev(P) = Q;
                    last(L) = P;
            void deleteFirst(List &L, address &P)
          Н
                if(first(L) == last(L)){
                    first(L) = NULL;
                    last(L) = NULL;
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                     last(L) = NULL;
                     P = first(L);
                     first(L) = next(P);
                     prev(first(L)) = NULL;
                     next(P) = NULL;
            void deleteAfter(List &L, address Prec, address &P)
           ₽ {
                P = next(Prec);
                next(Prec) = next(P);
                prev(next(P)) = Prec;
                prev(P) = NULL;
next(P) = NULL;
            void deleteLast(List &L, address &P)
           ₽ {
                address Q;
                 if(first(L) == last(L)){
                     first(L) = NULL;
last(L) = NULL;
                     Q = prev(last(L));
                     last(L) = Q;
                     next(Q) = NULL;
prev(P) = NULL;
           ₽ {
                 L3 = L1;
                 next(last(L3)) = first(L2);
                 prev(first(L2)) = last(L3);
            double median(List L, infotype jumlah)
           □ {
                address q = first(L);
                address p;
                 if (first(L)!=NULL) {
                     int jml = jumlah;
                     if (jml%2!=0) {
   for (int i =1; i<=(jml/2); i++) {</pre>
           Ė
                             q = next(q);
                         return info(q);
                         while(a < (jml/2)){
                             q = next(q);
                             a++;
                         p = prev(q);
                         b = (info(p)+info(q));
                         return b/2;
            void showList(List L)
           ₽ {
                 address P;
                 while (P != NULL)
                     cout << info(P) << " ";
                     P = next(P);
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