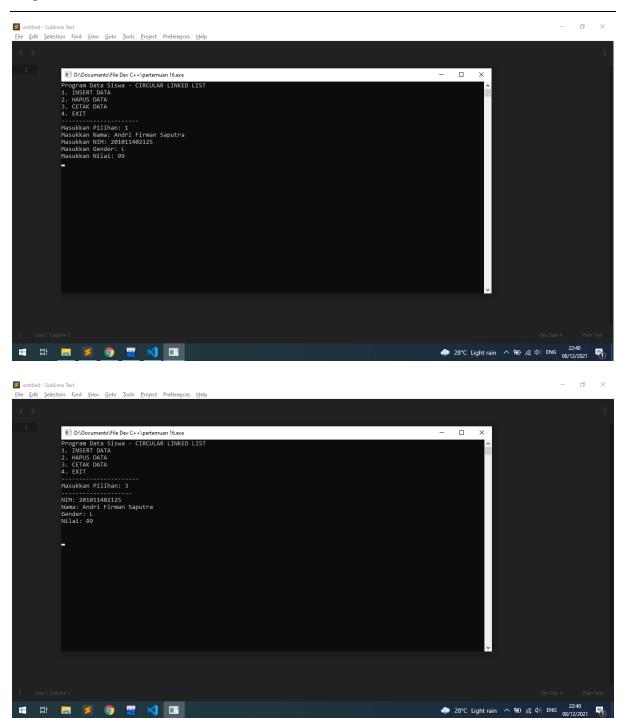
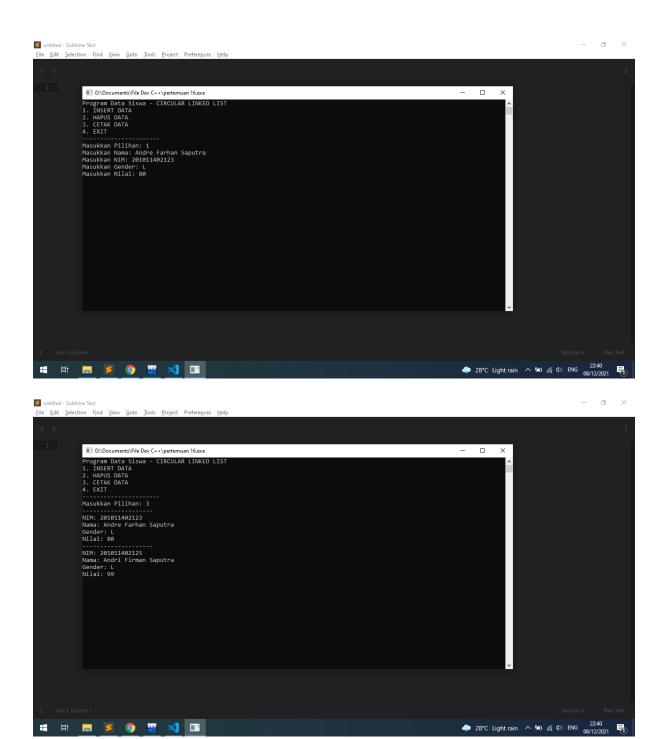
Nama: Andri Firman Saputra

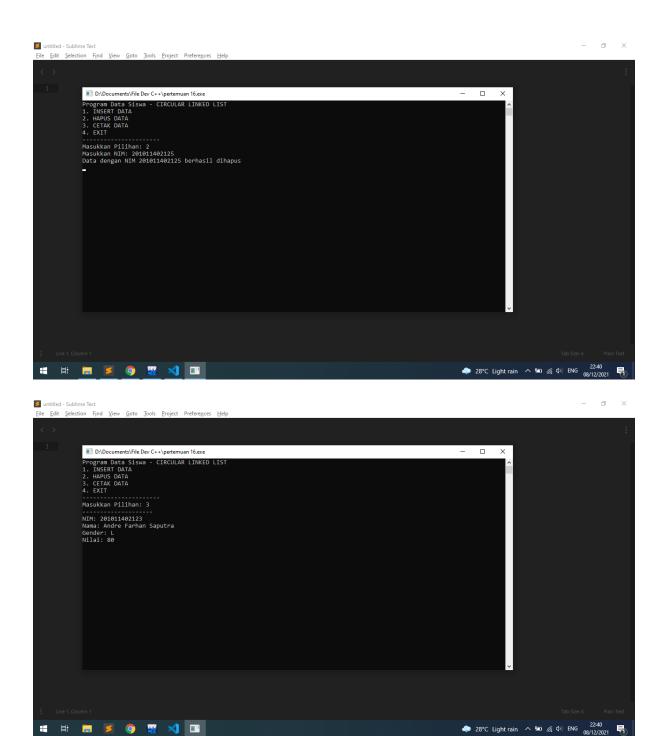
NIM : 201011402125

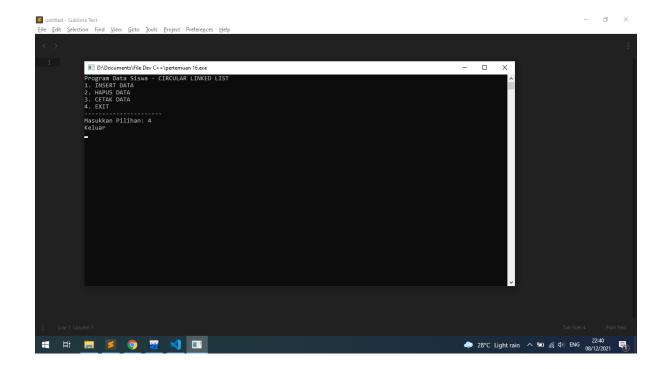
Kelas: 03TPLP016

Tugas: Struktur Data - Pertemuan 16









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 Elle Edit Search View Project Execute Jools AStyle Window Help
   (globals)
Project Classes ( ) pertenuan 16.cpp

1 #include <iostream>
2 #include <stdlib.h>
3 #include <conio.h>
                                                   7 struct Node
                                               string nama;
10 long long int nim;
11 char gender;
12 int nilai;
13 struct Node *next;
14 };
15
                                                  15 struct Node *insertInEmpty(struct Node *last, string nama, long long int nim, char gender, int nilai) 17日(
                                                                       if (last != NULL)
  return last:
                                                  19
20
21
22
23
24
25
26
27
28
29
30
31
                                                                      struct Node *temp = new Node;
                                                                       temp->nama = nama;
temp->nim = nim;
temp->gender = gender;
temp->nilai = nilai;
last = temp;
                                                                        last->next = last;
 Compiler 🖷 Resources 🛍 Compile Log 🤣 Debug 🚨 Find Results
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(globals)
  Project Classes • pertemuan 16.cpp
                                                   33 struct Node *insertAtBegin(struct Node *last, string nama, long long int nim, char gender, int nilai)
34日 {
                                                                        if (last == NULL)
                                                                              return insertInEmpty(last, nama, nim, gender, nilai);
                                                                         struct Node *temp = new Node;
                                                   38
39
40
41
42
43
44
                                                                        temp->nama = nama;
temp->nim = nim;
temp->gender = gender;
temp->nilai = nilai;
temp->next = last->next;
last->next = temp;
                                                  temp-)next = last->next;
last->next = temp;

46
47
48
49
51
50□ {

if (last == NULL)

return insertInEmpty(last name nim gender nilai);

return insertInEmpty(last name nim gender nilai);
                                                                                   return insertInEmptv(last, nama, nim, gender, nilai):
                                                   52
53
                                                   54
55
56
57
58
59
60
61
62
63
                                                                         struct Node *temp = new Node;
                                                                         temp->nama = nama;
temp->nim = nim;
temp->gender = gender;
temp->nilai = nilai;
temp->next = last->next;
last->next = temp;
                                                                         last = temp;
 Compiler Resources  Compile Log  Debug  Find Results
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   (globals)
  Project Classes    pertemuan 16.cpp
                                                   63
64
65
66
67 struct Node ***
                                                     66
7 struct Node *insertAfter(struct Node *last, string nama, long long int nim, char gender, int nilai, int key)
68
69 if (last == NULL)
                                                    70

71

72

73

74

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81

82

83

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85

86

87
                                                                                      return NULL;
                                                                            struct Node *temp, *p;
                                                                             p = last->next;
                                                                                    if (p->nim == key)
                                                                                           temp = new Node;
temp->nama = nama;
temp->nim = nim;
temp->gender = gender;
temp->nilai = nilai;
temp->next = p->next;
p->next = temp;
                                                                                   if (p == last)
    last = temp;
    return last;
}
                                                     88
                                                    89
90
91
92
93
                                                                           p = p->next;
} while (p != last->next);
93 | cout << "Data NIM " << nim << " tidak ada" << endl;
30 | natura lact.

## Compiler  Compile Compile Log  Pebug  Find Results
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| Ele Edit Seart View Project Execute Jools AStyle Window Help
   (globals)
  Project Classes | Project Clas
                                                   94 return last;
95 }
                                                    96 void traverseList(struct Node *last)
97 (
98 | struct Node *p;
                                                  98

99

100

101 = 102

103

104 - 105

106

107

108 = 109

110

111

111

112

113
                                                                     if (last == NULL)
{
    cout << "Data Kosong" << endl;
    return;</pre>
                                                                           p = last->next;
                                                                                cout <<"----"<endl;
cout<"NIM: "<<p->nim<endl;
cout<"Nama: "<<p->nama<endl;
cout<"Gender: "<<p->gender<<endl;
cout<"Nilai: "<<p->nilai<endl;
                                                   114
115
                                                                            p = p->next;
} while (p != last->next);
cout << "\n\n";</pre>
                                                  116
117
118
119
                                                  120 void deleteNode(Node **head, long long int key)
121  (
                                                                           if (*head == NULL)
                                                   123
                                                                                       return;
                                                                            if ((*head)-\nim
                                                                                                                                 kav && (*head)-\navt == *head)
 Compiler Resources  Compile Log  Debug  Find Results
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Elle Edit Search View Project Execute Jools AStyle Window Help
 (globals)
Project Classes • pertemuan 16.cpp
                              if ((*head)->nim == key && (*head)->next == *head)
                     125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | |
                                     free(*head);
*head = NULL;
                                 Node *last = *head, *d;
                               if ((*head)->nim == key)
                     while (last->next != *head)
                                          last = last->next;
                                  last->next = (*head)->next;
free(*head);
*head = last->next;
                                while (last->next != *head && last->next->nim != kev)
                               {
    last = last->next;
                                      cout << "Data dengan NIM " << key << " berhasil dihapus" << endl; free(d);
                     151
152
153
154
155
                                     rree(a);
cout << endl;
cout << "Daftar Mahasiswa setelah menghapus NIM " << key << endl;
traverseList(last);</pre>
155 F
156 alea

□ Compiler • Resources □ Compile Log ✓ Debug □ Find Results
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D:\Documents\File Dev C++\pertemuan 16.cpp - Dev-C++ 5.11
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(globals)
 Project Classes • pertemuan 16.cpp
                     else | cout << "Data dengan NIM " << key << " berhasil dihapus" << endl;
                      159
                     160 int main()
161 □ {
                     162
163
164
165
166
167
                                int nilai, pil;
                                 string nama;
long long int nim;
char gender;
                                 struct Node *last = NULL;
                      168
                     169
170
171 = 172
173
174
175
176
177
                                 deleteNode(&last, 10);
                                     cout << "Program Data Siswa - CIRCULAR LINKED LIST" << endl;
cout << "1. INSERT DATA" << endl;
cout << "2. HAPUS DATA" << endl;
cout << "3. CETAK DATA" << endl;
cout << "4. EXIT" << endl;
cout << "4. EXIT" << endl;</pre>
                     177
178
179
180
181
182
183 \Box
                                     cout << "Masukkan Pilihan: ";
cin >> pil;
                                      switch (pil)
                                      case 1:
                      184
                                          cout<<"Masukkan Nama: ";
cin.ignore();
catling(rin nama '\n')
                      185
Compiler Resources  Compile Log  Debug  Find Results
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