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PRODI : D4 MANAJEMEN INFORMATIKA 'A

#### **TUGAS PERTEMUAN 8 – DOUBLE LINKED LIST**

Tuliskan Output dari Script berikut:

1.

```
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                                STT Telematika
TELKOM
T#include<iostream>
                          n= new node;
   #include<stdio.h>
                           n->data = 2;
  #include<conio.h>
                           n->prev = tail;
  #include<stdlib.h>
                           tail->next = n;
                          tail=n;
  typedef struct node
                          n=new node;
  {
                          n->data = 3;
          int data;
                          n->prev = tail;
          node* prev;
                          tail->next= n;
          node* next;
                           tail=n;
      };
                           tail->next=NULL;
  int main()
                           tail = head ;
      node *head;
      node *tail;
      node *n;
                           while ( tail! = NULL ) {
                              cout << "Data : " << tail->data << endl;
                               tail = tail->next;
      n= new node;
      n->data = 1;
      n->prev=NULL;
                          system("PAUSE");
      head = n;
                          return 0;
      tail = n;
                       }
```

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Output: 1 -> 2 -> 3



### 🚾 Tuliskan keluarannya, jika 🚟 ditambahkan statement berikut !

```
n=new node;
n->data=50;
n->prev=NULL;
n->next = head;
head->prev = n;
head = n;
tail->next=NULL;
tail = head;
while(tail!= NULL){
    cout << "Data : " << tail->data << endl;
    tail = tail->next;
}
system("PAUSE");
return 0;
```

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Output: 50 -> 1 -> 2 -> 3

# Tuliskan keluarannya, jika ditambahkan statement berikut!



```
node *bantu, *bantu2;
n=new node;
n->data=9;
n->prev=NULL;
                             while ( tail! = NULL ) {
n->next=NULL;
                                 cout << "Data : " << tail->data << endl;
bantu = head;
                                  tail = tail->next;
while (bantu->data != 2)
bantu = bantu->next;}
                             system("PAUSE");
                             return 0;
bantu2 = bantu->next;
n->next = bantu2;
bantu2->prev = n;
bantu->next = n;
n->prev = bantu;
tail->next=NULL;
tail = head ;
```

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Output: 50 -> 1 -> 2 -> 9 -> 3

#### **Telkom**Foundation

## Tuliskan keluarannya, jika



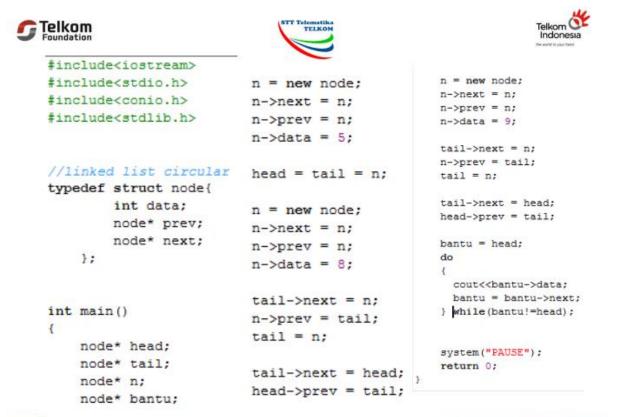
#### ditambahkan statement berikut!

```
while (bantu->data != 2)
bantu = bantu->next;}
bantu2 = bantu->next;
n->next = bantu2;
bantu2->prev = n;
bantu->next = n;
n->prev = bantu;
hapus = head;
head = head->next;
head->prev = NULL;
delete hapus;
tail->next=NULL;
tail = head ;
while ( tail! = NULL ) {
   cout << "Data : " << tail->data << endl;
    tail = tail->next;
```

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Output: 1 -> 2 -> 9 -> 3



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Output: 5 -> 8 -> 9