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Tugas Struktur Data Praktikum 7

1. Output dari program yang dibuat adalah seperti gambar di bawah. Perbaiki program agar yang muncul hanya yang diinputkan saja

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
typedef struct node
    char nama[20];
    int alpro;
    int kalkulus;
    struct node* next;
} mhs;
int count=0;
// Function to Create A New Node
mhs* newmhs(char a[], int alp, int kal)
{
    mhs* temp = (mhs*)malloc(sizeof(mhs));
    strcpy(temp->nama, a);
    temp->alpro = alp;
    temp->kalkulus = kal;
    temp->next = NULL;
    return temp;
}
// menghapus pendaftar
void dequeue(mhs** head)
if ((*head)!=NULL)
        mhs* temp = *head;
        (*head) = (*head)->next;
        free(temp);
```

```
}
}
void enqueue(mhs** head,char n[], int alp, int kal)
{
    mhs* temp = newmhs(n,alp,kal);
    if ((*head)==NULL)
    {
        (*head)=temp;
    else if ((*head)->alpro > alp)
        temp->next = *head;
        (*head) = temp;
    else if ((*head)->alpro==alp)
        mhs*start=(*head);
        while (start->next != NULL && start->next->kalkulus < kal)</pre>
            start = start->next;
    temp->next = start->next;
    start->next = temp;
    }
    else
        mhs* start = (*head);
        while (start->next != NULL && start->next->alpro < alp)</pre>
        {
            start = start->next;
        if (start->next != NULL){
        if (start->next->alpro==alp)
            while (start->next != NULL && start->next->kalkulus < kal)</pre>
                start = start->next;
```

```
temp->next = start->next;
        start->next = temp;
    count++;
void display(mhs* head)
{
   if(head == NULL)
        printf("Belum ada yang daftar\n");
   else
        //if ((head->alpro <= 100 && head->alpro >= 0) && (head->kalkulus <=
100 && head->kalkulus >= 0))
        printf("Nama: %s \tAlpro: %d \tKalkulus: %d\n",
head->nama,head->alpro,head->kalkulus);
        if (head->next != NULL){
        display(head->next);
    }
}
int main()
{
   mhs* wakil = NULL;
   enqueue(&wakil, "Eko", 50,20);
    enqueue(&wakil, "Budi", 50,20);
   enqueue(&wakil, "Bambang", 60,20);
   enqueue(&wakil, "Eka", 60,20);
    enqueue(&wakil, "Wawo", 60,20);
   enqueue(&wakil, "Ame", 60,30);
   display(wakil);
   return 0;
```