**MODUL PRAKTIKUM 4**

**ANALISIS ALGORITMA**



**Disusun oleh :**

David Ferdinand Imanuel Manurung 140810170039

**PROGRAM STUDI S1 TEKNIK INFORMATIKA**

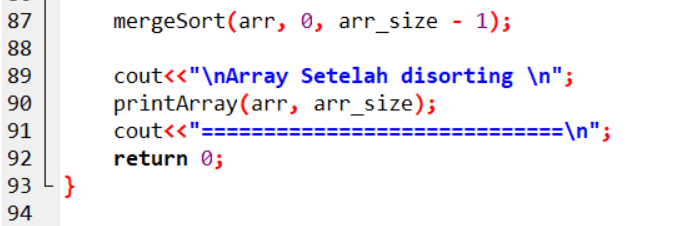
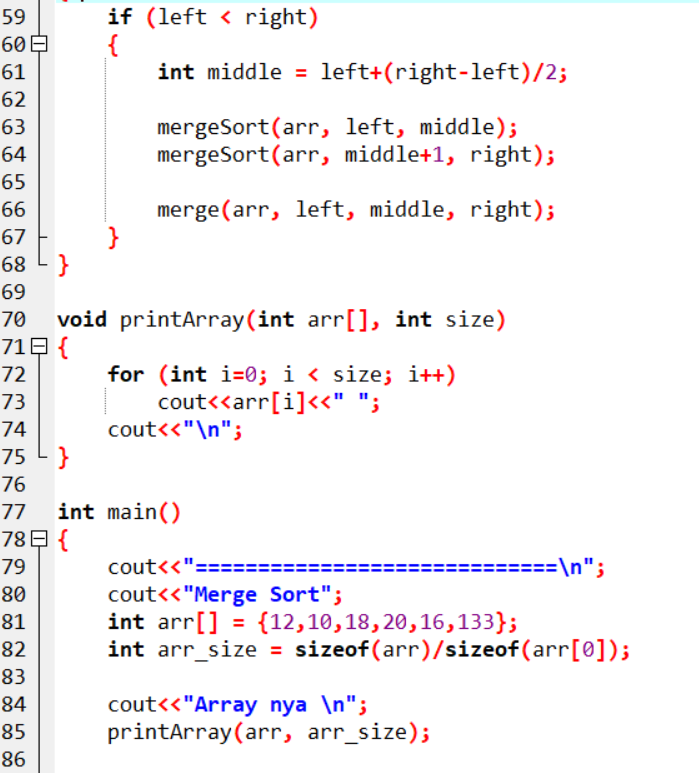
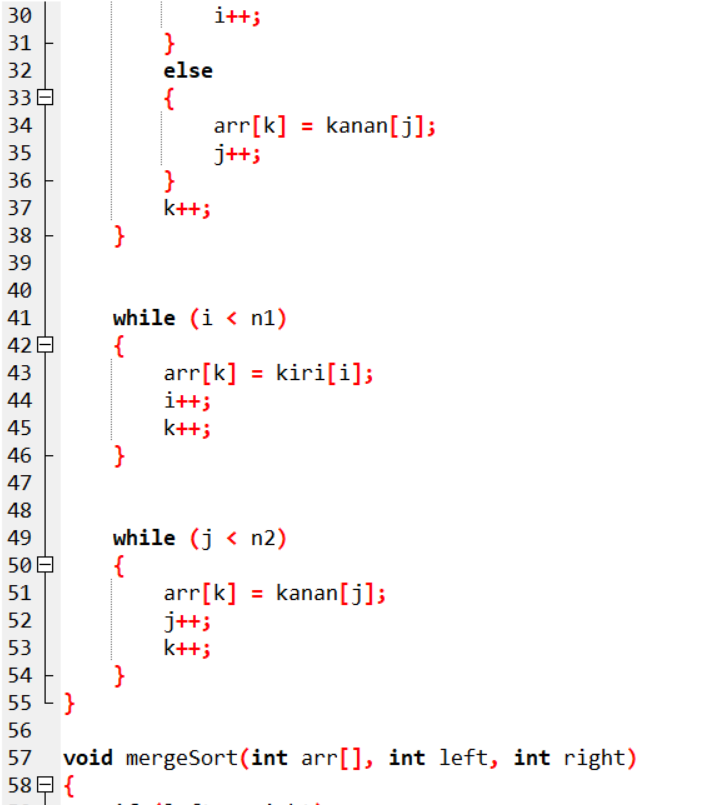
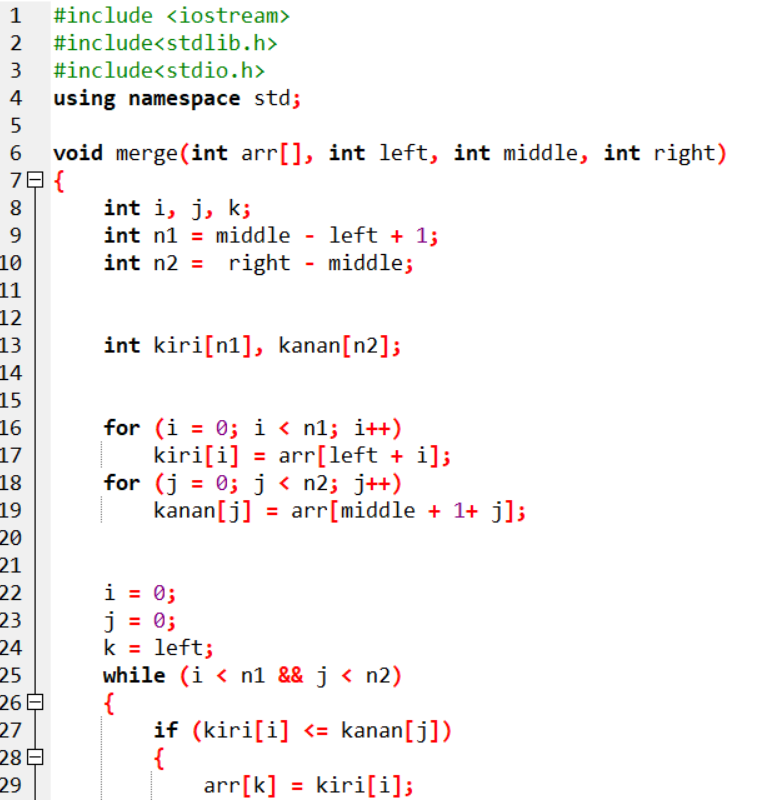
**FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM**

**UNIVERSITAS PADJADJARAN**

**2019**

1. Merge Sort

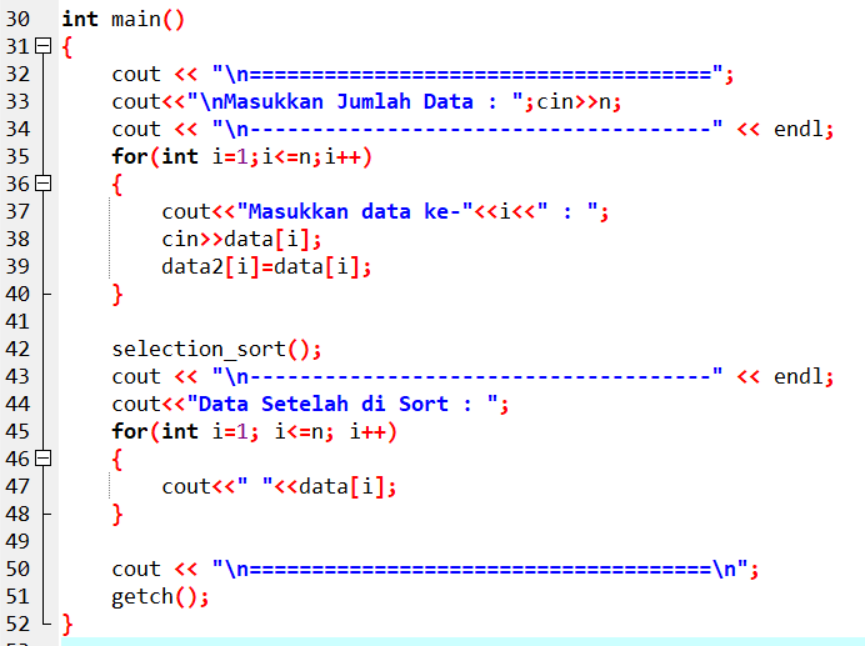
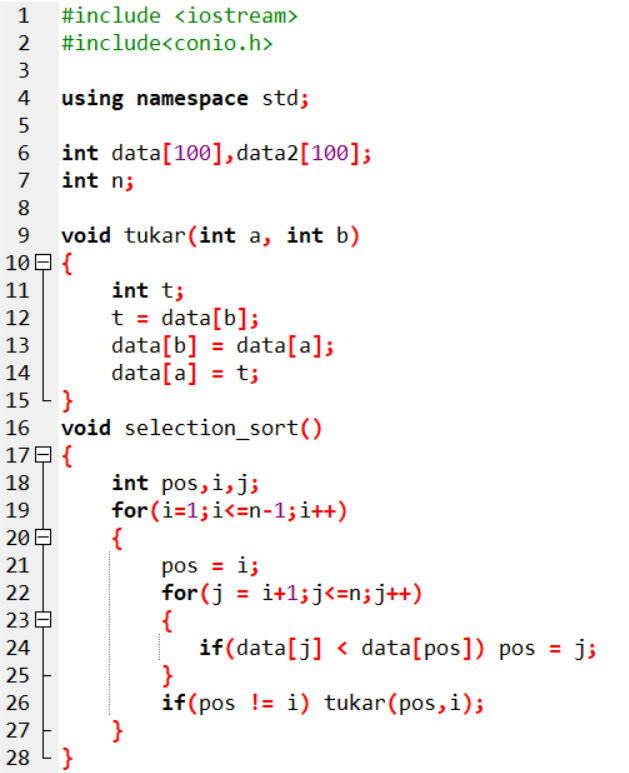
Source code:



Kompleksitas Algoritma merge sort adalah O(n lg n).

1. Selection Sort

Source code:



Screenshot:

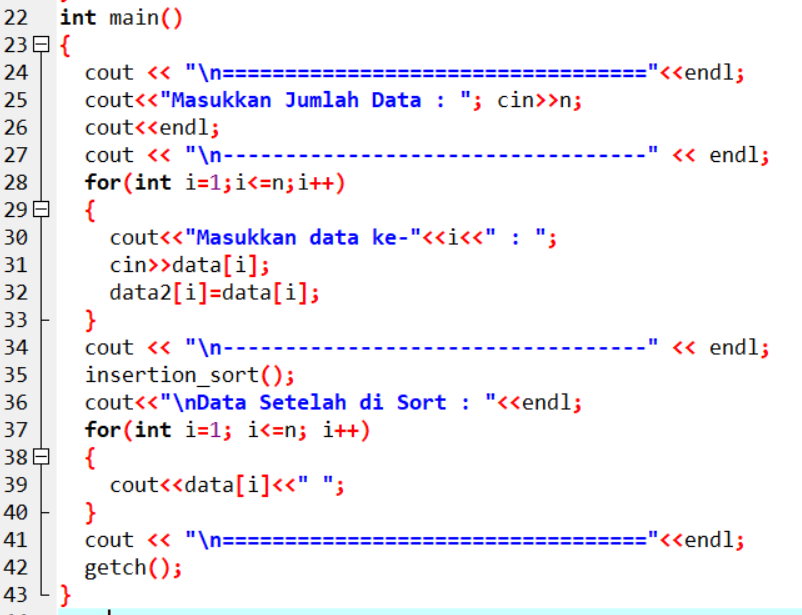
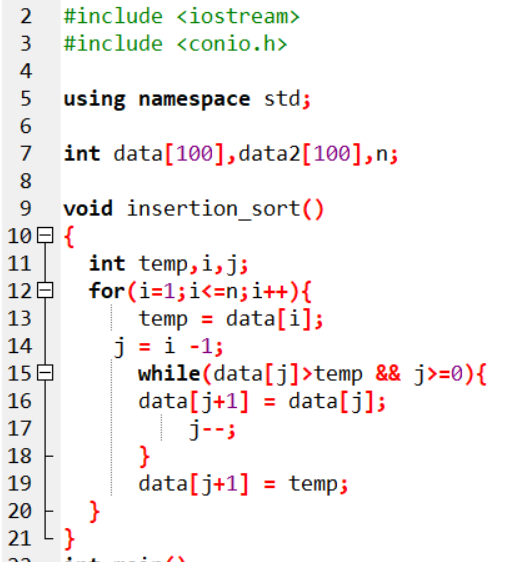
Menentukan T(n):

Oleh Karena itu:

Karena ,Maka

1. Insertion Sort

Source code:



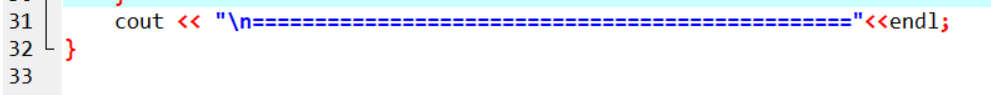
Screenshot:

Menentukan T(n):

T(n) =

1. Bubble sort

Source code:



Screenshot:

Menentukan T(n):