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PRODI : TEKNIK ELEKTRO A

TUGAS ALGORIDMA

1.MENCARI/MEMBUAT PROGRAM untuk sorting dengan 2 metode ascending dan descending.

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| // Program - Bubble Sort Ascending  #include <iostream>  #include <conio.h>  using namespace std;  int main()  {      int i,j,n;      int Arr[50];      int tmp;  cout << "\n   ---------------------------------------------";  cout << "\n   |       >> Program Pengurutan Data <<       |";  cout << "\n   |           >> Secara Ascending <<         |";  cout << "\n   |              >> Bubble Sort <<            |";  cout << "\n   ---------------------------------------------\n";  //onlygreatshare.blogspot.com  cout << "\n   ==> Inputkan banyak data yg akan diurutkan: ";  cin >> n;  cout << "\n";  for(i=1; i<=n; i++)  {         cout<<"\tInputkan data ke-"<<i<<" = ";         cin>>Arr[i];  }  //Pengurutan secara Ascending (Bubble Sort)  for(i=1; i<=n; i++)  {         for(j=i; j<=n; j++)         {                if(Arr[i] > Arr[j])                {                       tmp = Arr[j];                       Arr[j] = Arr[i];                       Arr[i] = tmp;                }         }  }  cout << "\n   ---------------------------------------------\n";  cout << "   ## Hasil Pengurutan data Secara Ascending ##\n";  cout << "   ---------------------------------------------\n";  cout << "\n";  //onlygreatshare.blogspot.com  for(i=1;i<=n;i++)  {         cout<<"\tElement "<<i<<" = "<<Arr[i]<<endl;  }  cout << "\n Created By Achmad Kharis :)";  getch();  } |

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| //Program - Bubble Sort Descending  \*/  #include <iostream>  #include <conio.h>  using namespace std;  int main()  {      int i,j,n;      int Arr[50];      int tmp;  cout << "\n   ---------------------------------------------";  cout << "\n   |       >> Program Pengurutan Data <<       |";  cout << "\n   |           >> Secara Descending <<         |";  cout << "\n   |              >> Bubble Sort <<            |";  cout << "\n   ---------------------------------------------\n";  cout << "\n   ==> Inputkan banyak data yg akan diurutkan: ";  cin >> n;  cout << "\n";  for(i=1; i<=n; i++)  {         cout<<"\tInputkan data ke-"<<i<<" = ";         cin>>Arr[i];  }  //Pengurutan secara Descending (Bubble Sort)  for(i=1; i<=n; i++)  {         for(j=i; j<=n; j++)         {                if(Arr[i] < Arr[j])                {                       tmp = Arr[j];                       Arr[j] = Arr[i];                       Arr[i] = tmp;                }         }  }  cout << "\n   ---------------------------------------------\n";  cout << "   ## Hasil Pengurutan data Secara Descending ##\n";  cout << "   ---------------------------------------------\n";  cout << "\n";  for(i=1;i<=n;i++)  {         cout<<"\tElement "<<i<<" = "<<Arr[i]<<endl;  }  getch();  } |