**Jobsheet Modul VI**

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| **No** | **Kegiatan** | **Script Program** | | **Hasil Running** |
| **C** | **C++** |
| 1. | Deklarasi struct dengan objek didalam deklarasi struct | #include <stdio.h>  #include <string.h>  // Deklarasi struct  struct nama\_struct{  char variabel[30]; // Member  }nama\_objek; // Objek  int main (){  strcpy(nama\_objek.variabel, "Ahmad");  printf("%s", nama\_objek.variabel);  } | #include <iostream>  #include <string>  using namespace std;  // Deklarasi struct  struct nama\_lengkap{  string nama; // Member  }nama\_saya; // Objek  int main (){  nama\_saya.nama = "Ahmad";  cout << nama\_saya.nama;  } |  |
| 2. | Deklarasi struct dengan objek diluar deklarasi struct | #include <stdio.h>  #include <string.h>  // Deklarasi struct  struct nama\_struct{  char variabel[30]; // Member  };  int main (){  struct nama\_struct nama\_objek; // Objek  strcpy(nama\_objek.variabel, "Ahmad");  printf("%s", nama\_objek.variabel);  } | #include <iostream>  #include <string>  using namespace std;  // Deklarasi struct  struct nama\_struct{  string variabel; // Member  };  int main (){  nama\_struct nama\_objek; // Objek  nama\_objek.variabel = "Ahmad";  cout << nama\_objek.variabel;  } |
| 3. | Deklarasi struct dengan menggunakan typedef | #include <stdio.h>  #include <string.h>  // Deklarasi struct  typedef struct{  char nama[30]; // Member  char tanggal\_lahir[15]; // Member  char kota\_l[20]; // Member  }nama\_alias; // Alias  int main (){  nama\_alias nama\_objek; // Objek  printf("Masukkan nama panggilan: ");  scanf("%s", &nama\_objek.nama);  printf("Masukkan Tanggal Lahir: ");  scanf("%s", &nama\_objek.tanggal\_lahir);  printf("Masukkan Kota Lahir: ");  scanf("%s", &nama\_objek.kota\_l);    printf("\nPanggilanmu %s \n", nama\_objek.nama);  printf("Tanggal Lahir %s \n", nama\_objek.tanggal\_lahir);  printf("Kota Lahir %s", nama\_objek.kota\_l);  } | #include <iostream>  #include <string>  using namespace std;  // Deklarasi struct  typedef struct{  string nama; // Member  string tanggal\_lahir; // Member  string kota\_lahir; // Member  }nama\_alias; // Alias  int main (){  nama\_alias nama\_objek; // Objek  cout << "Masukkan nama panggilan Anda: ";  cin >> nama\_objek.nama;  cout << "Masukkan Tanggal Lahir Anda: ";  cin >> nama\_objek.tanggal\_lahir;  cout << "Masukkan Kota Lahir Anda: ";  cin >> nama\_objek.kota\_lahir;    cout << "\nPanggilanmu " << nama\_objek.nama << endl;  cout << "Tanggal Lahir " << nama\_objek.tanggal\_lahir << endl;  cout << "Kota Lahir " << nama\_objek.kota\_lahir;  } |  |
| 4. | Struct dalam struct | #include <stdio.h>  #include <string.h>  // Deklarasi struct  struct nama\_struct{  char variabel[30]; // Member  char variabel2[10]; // Member  };  // Deklarasi struct  struct nama\_struct2{  struct nama\_struct nama\_objek; // Objek  char variabel3[20]; // Member  float variabel4; // Member  };  int main (){  struct nama\_struct2 nama\_objek2; // Objek  printf("Masukkan nama panggilan: ");  scanf("%s", &nama\_objek2.nama\_objek.variabel);  printf("Masukkan NIM: ");  scanf("%s", &nama\_objek2.nama\_objek.variabel2);  printf("Masukkan judul percobaan: ");  scanf("%s", &nama\_objek2.variabel3);  printf("Masukkan IPK: ");  scanf("%f", &nama\_objek2.variabel4);  printf("\nPanggilanmu %s \n", nama\_objek2.nama\_objek.variabel);  printf("NIM-mu %s \n", nama\_objek2.nama\_objek.variabel2);  printf("Judul percobaan adalah %s", nama\_objek2.variabel3);  printf("\nIPK kamu %.2f", nama\_objek2.variabel4);  } | #include <iostream>  #include <string>  using namespace std;  // Deklarasi struct  struct nama\_struct{  string variabel; // Member  string variabel2; // Member  };  // Deklarasi struct  struct nama\_struct2{  struct nama\_struct nama\_objek; // Objek  string variabel3; // Member  float variabel4; // Member  };  int main (){  nama\_struct2 nama\_objek2; // Objek  cout << "Masukkan nama panggilan: ";  cin >> nama\_objek2.nama\_objek.variabel;  cout << "Masukkan NIM: ";  cin >> nama\_objek2.nama\_objek.variabel2;  cout << "Masukkan judul percoban: ";  cin >> nama\_objek2.variabel3;  cout << "Masukkan IPK: ";  cin >> nama\_objek2.variabel4;    cout << "\nPanggilanmu " << nama\_objek2.nama\_objek.variabel << endl;  cout << "NIM-mu " << nama\_objek2.nama\_objek.variabel2 << endl;  cout << "Judul percobaan adalah " << nama\_objek2.variabel3 << endl;  cout << "IPK kamu " << nama\_objek2.variabel4;  } |  |
| 5. | Struct dengan Fungsi | #include <stdio.h>  #include <string.h>  // Deklarasi struct  struct nama\_struct{  char variabel[30]; // Member  char variabel2[20]; // Member  char variabel3[20]; // Member  char variabel4[30]; // Member  };  void nama\_fungsi(struct nama\_struct nama\_objek2){  printf("\nNama Provinsi %s \n", nama\_objek2.variabel);  printf("Nama Universitas %s \n", nama\_objek2.variabel2);  printf("Nama Fakultas %s", nama\_objek2.variabel3);  printf("\nNama Jurusan %s", nama\_objek2.variabel4);  }  int main (){  struct nama\_struct nama\_objek;  printf("Masukkan nama Provinsi: ");  scanf("%s", &nama\_objek.variabel);  printf("Masukkan Universitas: ");  scanf("%s", &nama\_objek.variabel2);  printf("Masukkan Fakultas: ");  scanf("%s", &nama\_objek.variabel3);  printf("Masukkan Jurusan: ");  scanf("%s", &nama\_objek.variabel4);  nama\_fungsi(nama\_objek);  } | #include <iostream>  #include <string>  using namespace std;  // Deklarasi struct  struct nama\_struct{  string variabel; // Member  string variabel2; // Member  string variabel3; // Member  string variabel4; // Member  };  void nama\_fungsi(struct nama\_struct nama\_objek2){  cout << "\nNama Provinsi " << nama\_objek2.variabel << endl;  cout << "Nama Universitas " << nama\_objek2.variabel2 << endl;  cout << "Nama Fakultas " << nama\_objek2.variabel3 << endl;  cout << "Nama Jurusan " << nama\_objek2.variabel4;  }  int main (){  struct nama\_struct nama\_objek;  cout << "Masukkan Provinsi: ";  cin >> nama\_objek.variabel;  cout << "Masukkan Universitas: ";  cin >> nama\_objek.variabel2;  cout << "Masukkan Fakultas: ";  cin >> nama\_objek.variabel3;  cout << "Masukkan Jurusan: ";  cin >> nama\_objek.variabel4;  nama\_fungsi(nama\_objek);  } |  |
| 6. | Struct dengan pointer | #include <stdio.h>  #include <string.h>  // Deklarasi struct  struct nama\_struct{  int variabel; // Member  int variabel2; // Member  int variabel3; // Member  int variabel4; // Member  int variabel5;  };  void nama\_fungsi(struct nama\_struct nama\_objek2){  printf("\nTanggal Lahir %d \n", nama\_objek2.variabel);  printf("Bulan Lahir %d \n", nama\_objek2.variabel2);  printf("Tahun Lahir %d", nama\_objek2.variabel3);  printf("\nNomer Kelompok %d", nama\_objek2.variabel4);  printf("\nHasi Aritmatika %d", nama\_objek2.variabel5);  }  int main (){  struct nama\_struct \*objek\_pointer, nama\_objek;  objek\_pointer = &nama\_objek;    printf("Masukkan Tanggal Lahir: ");  scanf("%d", &objek\_pointer->variabel);  printf("Masukkan Bulan Lahir: ");  scanf("%d", &objek\_pointer->variabel2);  printf("Masukkan Tahun Lahir: ");  scanf("%d", &objek\_pointer->variabel3);  printf("Masukkan Nomer Kelompok: ");  scanf("%d", &objek\_pointer->variabel4);    objek\_pointer->variabel5 = (objek\_pointer->variabel+objek\_pointer->variabel2+objek\_pointer->variabel3)/objek\_pointer->variabel4;    nama\_fungsi(\*objek\_pointer);  }  n | #include <iostream>  #include <string>  using namespace std;  // Deklarasi struct  struct nama\_struct{  int variabel; // Member  int variabel2; // Member  int variabel3; // Member  int variabel4; // Member  float variabel5;  };  void nama\_fungsi(struct nama\_struct nama\_objek2){  cout << "\nTanggal Lahir " << nama\_objek2.variabel << endl;  cout << "Bulan Lahir " << nama\_objek2.variabel2 << endl;  cout << "Tahun Lahir " << nama\_objek2.variabel3 << endl;  cout << "Nomer Kelompok " << nama\_objek2.variabel4 << endl << endl;  cout << "Hasi Aritmatikanya " << nama\_objek2.variabel5;    }  int main (){  struct nama\_struct \*objek\_pointer, nama\_objek;  objek\_pointer = &nama\_objek;    cout << "Masukkan Tanggal Lahir : ";  cin >> (\*objek\_pointer).variabel;  cout << "Masukkan Bulan Lahir : ";  cin >> (\*objek\_pointer).variabel2;  cout << "Masukkan Tahun Lahir : ";  cin >> (\*objek\_pointer).variabel3;  cout << "Masukkan Nomer Kelompok : ";  cin >> (\*objek\_pointer).variabel4;    (\*objek\_pointer).variabel5=((\*objek\_pointer).variabel+(\*objek\_pointer).variabel2+(\*objek\_pointer).variabel3)/(\*objek\_pointer).variabel4;    nama\_fungsi(\*objek\_pointer);  } |  |