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| // Nanang Tri Nur Wicaksono  // 231011700253  #include <iostream>  #include <cstdlib>  #include <cmath>  #include <iomanip>  using namespace std;  int pil;  char pilihan[5];  double panjang, lebar, hasil;  // menu  void menu() {  system("cls");  cout << "\n\t==========================================";  cout << "\n\t" << "231011700253" << setw(30) << "Nanang Tri Nur Wicaksono";  cout << "\n\t==========================================";  cout << "\n\t| [1] Hitung Luas";  cout << "\n\t| [2] Hitung Keliling";  cout << "\n\t| [3] Hitung Panjang Diagonal";  cout << "\n\t| [4] Keluar Program";  cout << "\n\t==========================================";  cout << "\n\tPilih Nomor : ";  }  // back to menu  void backMenu(){  char status;  cout << "\tKembali ke menu utama [y/n] : ";  cin >> status;  if(status == 'y')  menu();  else  backMenu();  }  // luas  void hitungLuas() {  system("cls");  cout << "\n\t=====================================================";  cout << "\n\t" << setw(35) << "Hitung Luas" << setw(35);  cout << "\n\t=====================================================";  cout << "\n\tMasukkan panjang: ";  cin >> panjang;  cout << "\tMasukkan lebar: ";  cin >> lebar;  hasil = panjang \* lebar;  cout << "\tLuas persegi panjang: " << hasil << endl;  }  // keliling  void hitungKeliling() {  system("cls");  cout << "\n\t=====================================================";  cout << "\n\t" << setw(35) << "Hitung Keliling" << setw(35);  cout << "\n\t=====================================================";  cout << "\n\tMasukkan panjang: ";  cin >> panjang;  cout << "\tMasukkan lebar: ";  cin >> lebar;  hasil = 2 \* (panjang + lebar);  cout << "\tKeliling persegi panjang: " << hasil << endl;  }  // panjang diagonal  void hitungDiagonal() {  system("cls");  cout << "\n\t=====================================================";  cout << "\n\t" << setw(35) << "Panjang Diagonal" << setw(35);  cout << "\n\t=====================================================";  cout << "\n\tMasukkan panjang: ";  cin >> panjang;  cout << "\tMasukkan lebar: ";  cin >> lebar;  hasil = sqrt(panjang \* panjang + lebar \* lebar);  cout << "\tPanjang diagonal persegi panjang: " << hasil << endl;  }  // main default  int main() {  menu();  do {  cin >> pilihan;  pil = atoi(pilihan);  switch (pil) {  case 1:  hitungLuas();  backMenu();  break;  case 2:  hitungKeliling();  backMenu();  break;  case 3:  hitungDiagonal();  backMenu();  break;  case 4:  system("cls");  cout << "\n\t -- Terimah Kasih -- ";  break;  default:  menu();  cout << "\n\t -- Terimah Kasih -- ";  break;  }  } while (pil < 5);  return 0;  } |
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