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| **No** | **Kegiatan** | **Script** | | **latihan** |
| **C** | **C++** |  |
| **1.** | Buat program menampilkan NIM masing – masing mahasiswa. | #include<stdio.h>  main(){  int nim[5]={9,9,7,8,3};  printf("Tizar Sepli A. F1B019138 KLP 26");  printf("\Nim ke-1 adalah %d",nim[0]);  printf("\nNim ke-2 adalah %d",nim[1]);  printf("\nNim ke-3 adalah %d",nim[2]);  printf("\nNim ke-4 adalah %d",nim[3]);  printf("\nNim ke-5 adalah %d",nim[4]);    } | #include <iostream>  using namespace std;  int main()  {  cout<<"Tizar Sepli Abiyusani-F1B019138-klp 26\n\n";  int nim[5]= {8,13,9,8,7};    cout << "Nim ke-1 adalah " << nim[0] << endl;  cout << "Nim ke-2 adalah " << nim[1] << endl;  cout << "Nim ke-3 adalah " << nim[2] << endl;  cout << "Nim ke-4 adalah " << nim[3] << endl;  cout << "Nim ke-5 adalah " << nim[4] << endl;  } | Buatlah program array satu dimensi yang menmapilkan masing masing nim mahasiswa |
| **Screenshoot** | |
| **C** | **C++** |
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| **2.** | Mengisi dan menampilkan elemen array(Dinamis). | #include<stdio.h>  int main()  {  printf("Tizar Sepli Abiyusani(F1B019138)-kel.26\n\n");  int nim[5];  printf("Masukkan NIM 1:");  scanf("%d",&nim[0]);  printf("\nMasukkan NIM 2:");  scanf("%d",&nim[1]);  printf("\nMasukkan NIM 3:");  scanf("%d",&nim[2]);  printf("\nMasukkan NIM 4:");  scanf("%d",&nim[3]);  printf("\nMasukkan NIM 5:");  scanf("%d",&nim[4]);  printf("\n");  printf("NIM KE-1 =%d",nim[0]);  printf("\nNIM KE-2 =%d",nim[1]);  printf("\nNIM KE-3 =%d",nim[2]);  printf("\nNIM KE-4 =%d",nim[3]);  printf("\nNIM KE-5 =%d",nim[4]);  return 0;  } | #include<iostream>  using namespace std;  int main()  {  cout<<"Tizar Sepli Abiyusani(F1B019138)-kel.26\n\n";  int nim[5];  cout<<"Masukkan NIM 1:";  cin>>nim[0];  cout<<"\nMasukkan NIM 2:";  cin>>nim[1];  cout<<"\n Masukkan NIM 3:";  cin>>nim[2];  cout<<"\nMasukkan NIM 4:";  cin>>nim[3];  cout<<"\nMasukkan NIM 5:";  cin>>nim[4];  cout<<"\n\nNIM ke-1 ="<<nim[0];  cout<<"\nNIM ke-2 ="<<nim[1];  cout<<"\nNIM ke-3 ="<<nim[2];  cout<<"\nNIM ke-4 ="<<nim[3];  cout<<"\nNIM ke-5 ="<<nim[4];  return 0;    } | Buatlah program mengisi dan menampilkan elemen array dengan index array sesuai dengan NIM terakhir setiap mahasiswa. |
| **Screenshoot** | |
| **C** | **C++** |
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| **3.** | Penjumlahan matriks dua dimensi. | #include <stdio.h>  #include <conio.h>  main (){  int nim1 [2][2];  int nim2 [2][2];  int hasil [2][2];  int i, j;  printf("Tizar Sepli Abiyusani(F1B019138)-kel.26\n\n");  printf ("Pengurangan NIM\n");  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  printf ("Masukkan nilai index %d, %d = ", x, y);  scanf ("%d", &nim1[x][y]);  }  }  printf ("\n");  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  printf ("Masukkan nilai index %d, %d = ", x, y);  scanf ("%d", &nim2[x][y]);  }  }  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  hasil [x][y]=nim1[x][y]+nim2[x][y];  printf ("%d ", hasil[x][y]);  }  printf ("\n");  }  getch();  } | #include <iostream>  #include <cstdlib>  using namespace std;  main (){  cout<<"Tizar Sepli Abiyusani(F1B019138)-kel.26\n\n";  int nim1[2][2];  int nim2[2][2];  int jml [2][2];  int x, y;  cout << "==========PENGURANGAN MATRIX==========\n";  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  cout << "\*\*Masukkan index matriks pertama\*\* " << x << "," << y << " = ";  cin >> nim1[x][y];  }  }  cout << endl;  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  cout << "\*\*Masukkan index matriks kedua\*\* " << x << "," << y << " = ";  cin >> nim2[x][y];  }  }  cout << endl;  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  jml [x][y] = nim1[x][y]+nim2[x][y];  cout << jml [x][y] <<" ";  }  cout << endl;  }  } | Buatlah program penjumlahan matriks dua dimensi dengan menggunakan NIM dua orang mahasiswa. |
| **Screenshoot** | |
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| **4.** | Pengurangan matriks dua dimensi. | #include <stdio.h>  #include <conio.h>  main (){  int nim1 [2][2];  int nim2 [2][2];  int hasil [2][2];  int i, j;  printf("Tizar Sepli Abiyusani(F1B019138)-kel.26\n\n");  printf ("Pengurangan NIM\n");  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  printf ("Masukkan nilai index %d, %d = ", x, y);  scanf ("%d", &nim1[x][y]);  }  }  printf ("\n");  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  printf ("Masukkan nilai index %d, %d = ", x, y);  scanf ("%d", &nim2[x][y]);  }  }  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  hasil [x][y]=nim1[x][y]-nim2[x][y];  printf ("%d ", hasil[x][y]);  }  printf ("\n");  }  getch();  } | #include <iostream>  #include <cstdlib>  using namespace std;  main (){  cout<<"Tizar Sepli Abiyusani(F1B019138)-kel.26\n\n";  int nim1[2][2];  int nim2[2][2];  int jml [2][2];  int x, y;  cout << "==========PENGURANGAN MATRIX==========\n";  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  cout << "\*\*Masukkan index matriks pertama\*\* " << x << "," << y << " = ";  cin >> nim1[x][y];  }  }  cout << endl;  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  cout << "\*\*Masukkan index matriks kedua\*\* " << x << "," << y << " = ";  cin >> nim2[x][y];  }  }  cout << endl;  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  jml [x][y] = nim1[x][y]-nim2[x][y];  cout << jml [x][y] <<" ";  }  cout << endl;  }  } | Buatlah program penjumlahan matriks dua dimensi dengan menggunakan NIM dua orang mahasiswa |
| **Screenshoot** | |
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| **5.** | Perkalian matriks dua dimensi. | #include <stdio.h>  #include <conio.h>  main (){  int nim1 [2][2];  int nim2 [2][2];  int hasil [2][2];  int i, j;  printf("Tizar Sepli Abiyusani(F1B019138)-kel.26\n\n");  printf ("Pengurangan NIM\n");  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  printf ("Masukkan nilai index %d, %d = ", x, y);  scanf ("%d", &nim1[x][y]);  }  }  printf ("\n");  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  printf ("Masukkan nilai index %d, %d = ", x, y);  scanf ("%d", &nim2[x][y]);  }  }  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  hasil [x][y]=nim1[x][y]\*nim2[x][y];  printf ("%d ", hasil[x][y]);  }  printf ("\n");  }  getch();  } | #include <iostream>  #include <cstdlib>  using namespace std;  main (){  cout<<"Tizar Sepli Abiyusani(F1B019138)-kel.26\n\n";  int nim1[2][2];  int nim2[2][2];  int jml [2][2];  int x, y;  cout << "==========PENGURANGAN MATRIX==========\n";  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  cout << "\*\*Masukkan index matriks pertama\*\* " << x << "," << y << " = ";  cin >> nim1[x][y];  }  }  cout << endl;  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  cout << "\*\*Masukkan index matriks kedua\*\* " << x << "," << y << " = ";  cin >> nim2[x][y];  }  }  cout << endl;  for (x = 0; x < 2; x++){  for (y = 0; y < 2; y++){  jml [x][y] = nim1[x][y]\*nim2[x][y];  cout << jml [x][y] <<" ";  }  cout << endl;  }  } | Buatlah program penjumlahan matriks dua dimensi dengan menggunakan NIM dua orang mahasiswa. |
| **Screenshoot** | |  |
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| **6.** | Matriks transpose. | #include <stdio.h>  #include <conio.h>  main (){  printf("Tizar Sepli Abiyusani(F1B019138)-kel.26\n\n");  int nim1 [10][10];  int i, j, x, y;  printf ("MATRIX TRANSPOSE\n");  printf ("Masukkan jumlah baris = ");  scanf ("%i", &x);  printf ("Masukkan jumlah kolom = ");  scanf ("%i", &y);  printf ("MATRIX \n");  for (i = 0; i < x; i++){  for (j = 0; j < y; j++){  printf ("Masukkan nilai index %d, %d = ", i, j);  scanf ("%d", &nim1[i][j]);  }  }  for (i = 0; i < x; i++){  for (j = 0; j < y; j++){  printf ("%d ",nim1[i][j]);  }  printf ("\n");  }  printf ("TRANSPOSE MATRIX \n");  for (i = 0; i < y; i++){  for (j = 0; j < x; j++){  printf ("%d ", nim1[j][i]);  }  printf ("\n");  }  getch();  } | #include <iostream>  using namespace std;  int main (){  cout<<"Tizar Sepli Abiyusani(F1B019138)-kel.26\n\n";  int x,y, mtrx [10][10];  cout << "TRANSPOSE MATRIX" << endl;  cout << "Masukkan jumlah baris = ";  cin >> x;  cout << "Masukkan jumlah kolom = ";  cin >> y;  cout << endl;  for (int i = 0; i < x; i++){  for (int j = 0; j < y; j++){  cout << "Masukkan nilai index " << i << "," << j << " = ";  cin >> mtrx [i][j];  }  }  cout << endl;  for (int i = 0; i < x; i++){  for (int j = 0; j < y; j++){  cout << mtrx [i][j] << " ";  }  cout << endl << endl;  }  cout << endl;  for (int i = 0; i < y; i++){  for (int j = 0; j < x; j++){  cout << mtrx [j][i] << " ";  }  cout << endl << endl;  }  } | Buatlah matriks transpose bersifat dinamis menggunakan persoalan diatas. |
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