**QUIZ ALGORITMA KE-2**

**“LAPORAN BONUS AKHIR TAHUN KARYAWAN PT.HUTAMA KARYA”**

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**DISUSUN OLEH**

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#include <iostream>

#include <iomanip>

#include <conio.h>

#include <windows.h>

#include <string.h>

using namespace std;

void gotoxy(int x, int y)

{

//HANDLE hConsoleOutput;

//COORD dwCursorPosition;

//cout.flush();

//dwCursorPosition.X = x;

//dwCursorPosition.Y = y;

//hConsoleOutput = GetStdHandle(STD\_OUTPUT\_HANDLE);

COORD coord;

coord.X = x;

coord.Y = y;

SetConsoleCursorPosition(GetStdHandle(STD\_OUTPUT\_HANDLE), coord);

}

//deklarasi di global scope

int jmlAnak[10] = {2,1,0,4,2,1,2,1,3,8};

string nip[10] = {"MI102", "MI302", "MI220", "MI203", "MI205", "MI103", "MI303", "MI230", "MI204", "MI206"};

string nama[10] = {"Kevin Januari", "Noval Rais", "Muflih Hilmi", "Arina Saffanah", "Deby Stevani", "Kevin Nabil", "Irgi Fahreza", "Febriyanti", "Kelly Felicia", "Shiska Riani"};

string status[10] = {"Kawin", "Duda", "Single", "Kawin", "Janda", "Kawin", "Duda", "Kawin", "Janda", "Single"};

string jabatan[10] = {"Direktur", "Wakil Direktur", "Manajer", "Supervisor", "Karyawan", "Direktur", "Wakil Direktur", "Manajer", "Supervisor", "Karyawan"};

string jenKel[10] = {"lk", "lk", "lk", "pr", "pr", "lk", "lk", "pr", "pr", "pr"};

double gaji[10] = {20000000, 15000000, 10000000, 7000000, 4000000, 20000000, 15000000, 10000000, 7000000, 4000000};

double tunjIstri[10], tunjAnak[10], gajiBersih[10] ;

//double totGaji = 0, totTunjIstri = 0, totTunjAnak = 0, totGajiBersih = 0;

void tabel1(){

gotoxy(31,0);cout<<"LAPORAN BONUS AKHIR TAHUN KARYAWAN PT.HUTAMA KARYA";

gotoxy(1,3);cout<<"HALAMAN 1";

gotoxy(1,4);cout<<"============================================= ================================================================ =======";

gotoxy(1,5);cout<<"| NO | NIP | NAMA | STATUS | JABATAN | GAJI | TUNJ ISTRI | TUNJ ANAK | GAJI BERSIH | ";

gotoxy(1,6);cout<<"============================================= ================================================================ =======";

for(int i = 1; i <= 5; i++)

{

gotoxy(1,6+i);

cout<<"| | | | | | | | | | ";

}

gotoxy(1,12);cout<<"============================================ ================================================================ ========";

gotoxy(1,13);cout<<"| TOTAL GAJI| | ";

gotoxy(1,14);cout<<"| TOTAL TUNJANGAN ISTRI| | ";

gotoxy(1,15);cout<<"| TOTAL TUNJANGAN ANAK| | ";

gotoxy(1,16);cout<<"| TOTAL GAJI BERSIH| | ";

gotoxy(1,17);cout<<"============================================ ================================================================ ========";

}

void tabel2(){

gotoxy(1,20);cout<<"HALAMAN 2";

gotoxy(1,21);cout<<"============================================ ================================================================ ========";

gotoxy(1,22);cout<<"| NO | NIP | NAMA | STATUS | JABATAN | GAJI | TUNJ ISTRI | TUNJ ANAK | GAJI BERSIH | ";

gotoxy(1,23);cout<<"============================================ ================================================================ ========";

for(int i = 1; i <= 5; i++)

{

gotoxy(1,23+i);

cout<<"| | | | | | | | | | ";

}

gotoxy(1,29);cout<<"============================================ ================================================================ ========";

gotoxy(1,30);cout<<"| TOTAL GAJI| | ";

gotoxy(1,31);cout<<"| TOTAL TUNJANGAN ISTRI| | ";

gotoxy(1,32);cout<<"| TOTAL TUNJANGAN ANAK| | ";

gotoxy(1,33);cout<<"| TOTAL GAJI BERSIH| | ";

gotoxy(1,34);cout<<"============================================ ================================================================ ========";

}

void input1(){

double totGaji = 0, totTunjIstri = 0, totTunjAnak = 0, totGajiBersih = 0;

for (int i = 0; i <5; i++){

gotoxy(3,7+i);cout<<i+1;

gotoxy(8,7+i);cout << nip[i];

gotoxy(15,7+i);cout << nama[i];

gotoxy(31,7+i);cout << status[i];

gotoxy(40,7+i);cout << jabatan[i];

gotoxy(57,7+i);cout << setprecision(10) << gaji[i];

if(status[i]=="Duda" || status[i]=="Janda"){

tunjIstri[i] = 0 \* gaji[i];

tunjAnak[i] = (gaji[i] \* 0.65) \* jmlAnak[i] ;

} else if (status[i]=="Kawin" && jenKel[i]=="lk"){

tunjIstri[i] = 0.4 \* gaji[i];

tunjAnak[i] = (gaji[i] \* 0.35) \* jmlAnak[i] ;

} else if (status[i]=="Kawin" && jenKel[i]=="pr"){

tunjIstri[i] = 0 \* gaji[i];

tunjAnak[i] = (gaji[i] \* 0.35) \* jmlAnak[i] ;

} else {

tunjIstri[i] = 0\* gaji[i];

tunjAnak[i] = 0 ;

}

gotoxy(71,7+i);cout << tunjIstri[i];

gotoxy(81,7+i);cout << tunjAnak[i];

gajiBersih[i] = tunjIstri[i] + tunjAnak[i] + gaji[i];

gotoxy(97,7+i);cout << gajiBersih[i];

totGaji = totGaji + gaji[i];

gotoxy(94,13);cout << setw (11) << totGaji;

totTunjIstri = totTunjIstri + tunjIstri[i];

gotoxy(94,14);cout << setw (11) << totTunjIstri;

totTunjAnak = totTunjAnak + tunjAnak[i];

gotoxy(94,15);cout << setw (11) << totTunjAnak;

totGajiBersih = totGajiBersih + gajiBersih[i];

gotoxy(94,16);cout << setw (11) << totGajiBersih;

}

}

void input2(){

double totGaji = 0, totTunjIstri = 0, totTunjAnak = 0, totGajiBersih = 0;

for (int j = 5; j < 10 ; j++){

gotoxy(3,19+j);cout<<j-4;

gotoxy(8,19+j);cout << nip[j];

gotoxy(15,19+j);cout << nama[j];

gotoxy(31,19+j);cout << status[j];

gotoxy(40,19+j);cout << jabatan[j];

gotoxy(57,19+j);cout << setprecision(10) << gaji[j];

if(status[j]=="Duda" || status[j]=="Janda"){

tunjIstri[j] = 0 \* gaji[j];

tunjAnak[j] = (gaji[j] \* 0.65) \* jmlAnak[j] ;

} else if (status[j]=="Kawin" && jenKel[j]=="lk"){

tunjIstri[j] = 0.4 \* gaji[j];

tunjAnak[j] = (gaji[j] \* 0.35) \* jmlAnak[j] ;

} else if (status[j]=="Kawin" && jenKel[j]=="pr"){

tunjIstri[j] = 0 \* gaji[j];

tunjAnak[j] = (gaji[j] \* 0.35) \* jmlAnak[j] ;

} else {

tunjIstri[j] = 0\* gaji[j];

tunjAnak[j] = 0 ;

}

gotoxy(71,19+j);cout << tunjIstri[j];

gotoxy(81,19+j);cout << tunjAnak[j];

gajiBersih[j] = tunjIstri[j] + tunjAnak[j] + gaji[j];

gotoxy(97,19+j);cout << gajiBersih[j];

totGaji = totGaji + gaji[j];

gotoxy(94,30);cout << setw (11) << totGaji;

totTunjIstri = totTunjIstri + tunjIstri[j];

gotoxy(94,31);cout << setw (11) << totTunjIstri;

totTunjAnak = totTunjAnak + tunjAnak[j];

gotoxy(94,32);cout << setw (11) << totTunjAnak;

totGajiBersih = totGajiBersih + gajiBersih[j];

gotoxy(94,33);cout << setw (11) << totGajiBersih;

}

}

void total(){

double totGaji = 0, totTunjIstri = 0, totTunjAnak = 0, totGajiBersih = 0;

for (int k = 0; k <10 ; k++){

totGaji = totGaji + gaji[k];

totTunjIstri = totTunjIstri + tunjIstri[k];

totTunjAnak = totTunjAnak + tunjAnak[k];

totGajiBersih = totGajiBersih + gajiBersih[k];

gotoxy(1,37);cout << "Total keseluruhan ";

gotoxy(1,39);cout << "Halaman \t\t: 001 s/d 002";

gotoxy(1,40);cout << "Total Gaji \t\t: " << setw (11) <<totGaji;

gotoxy(1,41);cout << "Total Tunjangan Istri \t: " << setw (11) << totTunjIstri;

gotoxy(1,42);cout << "Total Tunjangan Anak \t: " << setw (11) << totTunjAnak;

gotoxy(1,43);cout << "Total Gaji Bersih \t: " << setw (11) << totGajiBersih;

}

gotoxy(81, 37);cout<<"------- QUIZ ALGORITMA KE-2 --------";

gotoxy(81, 38);cout<<"| NAMA : ARINA SAFFANAH ZAKIYYAH |";

gotoxy(81, 39);cout<<"| NIM : 20220801189 |";

gotoxy(81, 40);cout<<"------------------------------------";

}

int main (){

tabel1();

tabel2();

input1();

input2();

total();

system("pause>0");

return 0;

}

OUTPUT :

