(Materi no.1)

#include <iostream>

#include <stdio.h>

using namespace std;

int main ()

{

float harian1,harian2,harian3,uts,uas,na;

cout<< "Nilai 1 : "; cin>> harian1;

cout<< "Nilai 2 : "; cin>> harian2;

cout<< "Nilai 3 : "; cin>> harian3;

cout<< "UTS : "; cin>> uts;

cout<< "UAS : "; cin>> uas;

na= (harian1+harian2+harian3)\*0.1+uts\*0.3+uas\*0.4;

printf("Nilai akhir : %.3f",na);

if (na<45)

{

cout<< "\nGrade : E" << endl;

cout<< "Keterangan : Tidak Lulus";

}

else if (na>=45 && na<=55.4)

{

cout<< "\nGrade : D" << endl;

cout<< "Keterangan : Tidak Lulus";

}

else if (na>=55.5 && na<=55.9)

{

cout<< "\nGrade : C Bersyarat" << endl;

cout<< "Keterangan : Lulus";

}

else if (na>=56 && na<=68)

{

cout<< "\nGrade : C" << endl;

cout<< "Keterangan : Lulus";

}

else if (na>=69 && na<=79)

{

cout<< "\nGrade : B" << endl;

cout<< "Keterangan : Lulus";

}

else if (na>=80 && na<=100)

{

cout<< "\nGrade : A" << endl;

cout<< "Keterangan : Lulus";

}

return 0;

}

(Materi no.2)

#include <iostream>

using namespace std;

int main ()

{

int angka,a,b,c;

int d,e,f;

int g,h,i;

cin>> angka;

if (angka>99 && angka<1000) {

a= angka%1000/100;

b= angka%100/10;

c= angka%10;

if (a+b>c && b+c>a && a+c>b)

{

cout<< a+b << ">" << c << endl;

cout<< b+c << ">" << a << endl;

cout<< a+c << ">" << b << endl;

cout<< "YES" << endl; }

else if (a+b<=c || b+c<=a || a+c<=b)

{

cout<< a+b << ">" << c << endl;

cout<< b+c << ">" << a << endl;

cout<< a+c << ">" << b << endl;

cout<< "NO" <<endl; } }

if(angka>99000 && angka<1000000) {

d= angka%1000000/10000;

e= angka%10000/100;

f= angka%100;

if(d+e>f && e+f>d && d+f>e)

{

cout<< d+e << ">" << f << endl;

cout<< e+f << ">" << d << endl;

cout<< d+f << ">" << e << endl;

cout<< "YES"; }

else if (d+e<=f || e+f<=d || d+f<=e)

{

cout<< d+e << ">" << f << endl;

cout<< e+f << ">" << d << endl;

cout<< d+f << ">" << e << endl;

cout<< "NO"; } }

if (angka>99000000 && angka<1000000000) {

g= angka/1000000%1000;

h= angka%1000000/1000;

i= angka%1000;

if (g+h>i && h+i>g && g+i>h)

{

cout<< g+h << ">" << i << endl;

cout<< h+i << ">" << g << endl;

cout<< g+i << ">" << h << endl;

cout<< "YES"; }

else if(g+h<=i || h+i<=g || g+i<=h)

{

cout<< g+h << ">" << i << endl;

cout<< h+i << ">" << g << endl;

cout<< g+i << ">" << h << endl;

cout<< "NO"; } }

return 0;

}

(Tugas no.2)

#include <iostream>

using namespace std;

int main ()

{

int a,b,c;

cout<< "Input 1 : "; cin>> a;

cout<< "Input 2 : "; cin>> b;

cout<< "Input 3 : "; cin>> c;

if (a==b && a==c && b==c)

{

cout<< "Segitiga sama sisi";

}

else if (a==b && b==a || a==c && c==a || b==c && c==b)

{

cout<< "Segitiga sama kaki";

}

else if (a\*a+b\*b==c\*c || b\*b+a\*a==c\*c || a\*a+c\*c==b\*b || b\*b+c\*c==a\*a)

{

cout<< "Segitiga siku-siku";

}

else if (a!=b && b!=c && c!=a)

{

cout<< "Segitiga sembarang";

}

return 0;

}

(Tugas no.3)

#include <iostream>

using namespace std;

int main()

{

int gmtyangdicari,gmtsekarang,jamsekarang,c;

int jam,hari,bulan,tahun;

int pembuat0=0;

cout<< "Input 1 : "; cin>> gmtyangdicari;

cout<< "Input 2 : "; cin>> jamsekarang>>gmtsekarang;

cout<< "Input 3 : "; cin>> c;

hari= c/1000000;

bulan= c/10000%100;

tahun= c%10000;

pembuat0= 0-gmtsekarang;

jamsekarang= jamsekarang+pembuat0;

jam= jamsekarang+gmtyangdicari;

if(jam<0)

{

jam=24+jam;

hari=hari-1;

cout<< "Jam : "<<jam<< endl;

cout<< "-1"<<endl;

}

else if(jam>24)

{

jam=jam-24;

hari=hari+1;

cout<< "Jam : "<<jam <<endl;

cout<< "1"<<endl;

}

else

{

cout<< "0"<<endl;

}

if(hari==0)

{

bulan=bulan-1;

if(bulan==0)

{

bulan=12;

tahun=tahun-1;

}

if (bulan==1||bulan==3||bulan==5||bulan==7||bulan==8||bulan==10||bulan==12)

{

hari=31;

}

else if(bulan==4||bulan==6||bulan==9||bulan==11)

{

hari=30;

}

}

else if(hari>31)

{

if(bulan==1||bulan==3||bulan==5||bulan==7||bulan==8||bulan==10||bulan==12)

{

hari=hari-31;

}

else if(bulan==4||bulan==6||bulan==9||bulan==11)

{

hari=hari-30;

}

bulan=bulan+1;

}

else if(hari>30)

{

if(bulan==4||bulan==6||bulan==9||bulan==1)

{

hari=hari-30;

}

bulan=bulan+1;

}

if(bulan>12)

{

tahun=tahun+1;

bulan=bulan-12;

}

if(tahun%4==0)

{

if(bulan==2)

{

if(hari==0)

{

hari=29;

}

else if(hari>29)

{

hari=hari-29;

bulan=bulan+1;

}

}

}

else

{

if(bulan==2)

{

if(hari==0)

{

hari=28;

}

else if(hari>28)

{

hari=hari-28;

bulan=bulan+1;

}

}

}

cout<< hari<<"/"<<bulan<<"/"<<tahun;

return 0;

}