C++ proqramlasdirma level 1

1.

#include <iostream>

Using namespace std;

Int main() {

String ad;

Cout<<”Adinizi daxil edin:”

Cin>>ad;

Cout<<”Salam,”<<ad<<”!”;

}

2.

#include <iostream>

Using namespace std;

Int main() {

Double a,b;

Cout<<”Iki eded axil edin:”;

Cin>>a>>b;

Cout<<”Cem:”<<a+b<<endl;

Cout<<”Hasil:”<<a\*b<<endl;

Cout<<”Ferq:”<<a-b<<endl;

If (b!=0)

Cout<<”Bolmesi:”<<a/b<<endl;

Else

Cout<<”0-a bolme yoxdur!”<<endl;

Return 0;

}

3.

#include <iostream>

Using namespace std;

Int main() {

Double a;

Cout<<”Eded daxil edin:”;

Cin>>a;

Cout<<”Kvadrat:”<<a\*a<<endl;

Cout<<”Kub:”<<a\*a\*a<<endl;

}

4.

#include <iostream>

Using namespace std;

Int main() {

Double r;

Cout<<”Radius:”;

Cin>>r;

Cout<<”Sahesi:”<<3.14\*r\*r<<”\nCevresi:”<<2\*3.14\*r;

}

5.

#include <iostream>

#include <string>

Using namespace std;

Int main() {

Double t;

String u;

Cin>>t>>u;

If (u==”c”||u==”c”)

Cout<<t\*9/5+32<<”f”;

Else if(u==”F”||u==”f”)

Cout<<(t-32)\*5/9<<”C”;

Else

Cout<<”Sehv yazilis!Yalniz C ve ya F daxil edin.”;

}

6.

#include <iostream>

Using namespace std;

Int main() {

Double a,b,c;

Cout<<”Uc ededi daxil edin:”;

Cin>>a>>b>>c;

Cout<<”Ortalama:”<<(a+b+c)/3;

}

8.

#include <iostream>

Using namespace std;

Int main() {

Double a;

Cout<<”Kvadratin terefini daxil edin:”;

Cin>>a;

Cout<<”Sahesi:”<<a\*a;

Cout<<”Perimetri:”<<4\*a;

}

Level 2

1.

#include <iostream>

Using namespace std;

Int main() {

Double a,b;

Cout<<”Iki eded daxil edin:”;

Cin>>a>>b;

If (a>b)

Cout<<”En boyuk eded:”<<a<<endl;

Else if (a<b)

Cout<<”En boyuk eded:<<b<<endl;

Else

Cout<<”Boyuk eded yoxdur,beraberdirler”;

}

2.

#include <iostream>

Using namespace std;

Int main() {

Double a;

Cout<<”Eded daxil edin:”;

Cin>>a;

If (a>0)

Cout<<”Musbet ededdir”<<endl;

Else if (a<0)

Cout<<”Menfi ededdir”<<endl;

Else

Cout<<”Sifirdir”<<endl;

}

3.

#include <iostream>

Using namespace std;

Int main() {

Double a,b,c;

Cout<<”Uc eded daxil edin:”;

Cin>>a>>b>>c;

If (a>b&a>c)

Cout<<”En boyuk eded:”<<a<<endl;

Else if (b>a&b>c)

Cout<<”En boyuk eded:”<<b<<endl;

Else

Cout<<”En boyuk eded:”<<c<<endl;

}

4.

#include <iostream>

Using namespace std;

Int main() {

Int a;

Cout<<”Eded daxil edin:”;

Cin>>a;

If (a%2==0)

Cout<<”Cut ededdir”<<endl;

Else

Cout<<”Tek ededdir”<<endl;

}

5.

#include <iostream>

Using namespace std;

Int main() {

int skor;

cout<<“Balinizi daxil edin(0-100):”;

if(!(cin>>score)) {

cout<<“Sehv daxil olma!”<<endl;

return 0;

}

If (skor<0 || skor>100) {

cout<<“Bal 0 ile 100 arasinda olmalıdır.”<<endl;

}else if (skor<=50) {

cout<<“Qiymet:F”<<endl;

}else if (skor<=60) {

cout<<“Qiymet:E”<<endl;

}else if (skor<=70) {

cout<<“Qiymet:D”<<endl;

}else if (skor<=80) {

cout<<“Qiymet:C”<<endl;

}else if (skor<=90) {

cout<<“Qiymet:B”<<endl;

}else {

cout<<“Qiymet:A”<<endl;

}

Return 0;

}

6.

#include <iostream>

Using namespace std;

Int main() {

int ay;

cout<<“Amin nomresini dcxil edin(1-12):”;

cin>>ay;

if (ay>=3 && ay<=5) {

cout<<“Bu fesil:Yaz”<<endl;

}

else if (ay>=6 && ay<=8) {

}

cout<<“Bu fesil:Yay”<<endl;

Else if (ay>=9 && ay<=11) {

cout<<“Bu fesil:Payiz”<<endl;

}

Else if (ay==12 || ay==1 || ay==2) {

cout<<“Bu fesil:Qis”<<endl;

}

Else {

cout<<“Sehv ay nomresi daxil edilib!”<<endl;

}

Return 0;

}

7.

#include <iostream>

Using namespace std;

Int main() {

Double a,b;

Char d;

Cout<<“Birinci ededi daxil edin:”;

cin>>a;

Cout<<“Emely daxil edin(+,-,\*,/):”;

cin>>d;

Cout<<“Ikinci ededi daxil edin:”;

cin>>b;

If (d==‘+’)

cout<<“Netice:”<<a+b<<endl;

Else if(d==‘-‘)

cout<<“Netice:<<a-b<<endl;

Else if(d==‘\*’)

cout<<“Netice:<<a\*b<<endl;

Else if(d==‘/‘) {

if (b==0)

cout<<“0-a bolmek olmaz!”<<endl;

else

cout<<“Netice:<<a/b<<endl;

}

Else

cout<<“Duzgun Amel daxil edilmeyib!”<<endl;

Return 0;

}

8.

#include <iostream>

Using namespace std;

Int main() {

int il;

cout<<“Ili daxil Edin:”;

cin>>il;

If ((il%4==0 && il%100!=0) || (il%400==0)) {

cout<<il<<“Ili artiq ildir.”<<endl;

}else {

cout<<il<<“Ili artiq il deyil.”<<endl;

}

return 0;

}

Level 3.

1.

#include <iostream>

Using namespace std;

Int main() {

for (int i=1; i<=10; ++i) {

cout<<i<<endl;

}

return 0;

}

2.

#include <iostream>

Using namespace std;

Int main() {

for(int i=1;i<100;i++) {

if(i%2==0) {

cout<<i<<endl;

}

}

}

3.

#include <iostream>

Using namespace std;

Int main() {

int i=1;

int c=0;

While (i<=100) {

c+=i;

i++;

}

Cout<<“1-den 100-e eder ededlerin cemi:”<<c<<endl;

Return 0;

}

4.

#include <iostream>

Using namespace std;

Int main() {

double a;

int c=0;

int h=1;

cout<<“Eded daxil edin:”;

cin>>a;

while (a>0) {

h=h\*a;

a=a-1;

}

cout<<“faktorial=“<<h;

}

5.

#include <iostream>

Using namespace std;

Int main() {

int a;

cin>>a;

int c=0;

int n=1;

while (a>0) {

n=a%10;

c=c+n;

a=a/10;

}

cout<<c;

}

6.

#include <iostream>

Using namespace std;

Int main() {

int a;

int i=1;

int c=0;

cout<<“Bir eded daxil et:”;

cin>>n;

while (i<=n) {

c+=i;

i++;

}

cout<<“1-den <<n<<-e qeder ededlerin cemi:”<<c<<endl;

return 0;

}

7.

#include <iostream>

using namespace std;

int main() {

int n;

int c=0;

cout<<"Ededleri daxil et(0 daxil etdikde proqram dayanacaq):";

while (true) {

cin>>n;

if (n==0)

break;

c+=n;

}

cout<<"Daxil edilen ededlerin cemi:"<<c<<endl;

return 0;

}

8.

#include <iostream>

using namespace std;

int main() {

int n=0;

int r=0;

cout<<"Bir eded daxil et:";

cin>>n;

while (n!=0) {

int d=n%10;

r=r\*10+d;

n/=10;

}

cout<<"Ededin tersi:"<<r<<endl;

return 0;

}

9.

#include <iostream>

using namespace std;

int main() {

int n;

cout<<"Bir eded daxil et:";

cin>>n;

if (n<=1) {

cout<<n<<"Sade eded deyil."<<endl;

return 0;

}

int i;

for (i=2;i\*i<n;i++)

if (n%i==0) break;

cout<<n<<((i\*i>n)?"Sade ededdir.":"sade eded deyil")<<endl;

return 0;

}

10.

#include <iostream>

using namespace std;

int main() {

int n;

int a=0;

int b=1;

cin>>n;

for (int i=0;i<n;i++,b+=a,a=b-a)

cout<<a<<" ";

cout<<endl;

}

11.

#include <iostream>

using namespace std;

int main() {

for(int i=1;i<=10;i++,cout<<endl)

for(int j=1;j<=10;j++)

cout<<i<<"x"<<j<<"="<<i\*j<<" ";

}

12.

#include <iostream>

using namespace std;

int main() {

int n;

int i;

cin>>n;

for(i=1;i<=n;i++) if (n%i==0)

cout<<i<<" ";

}

13.

#include <iostream>

using namespace std;

int main() {

int n;

int r=0;

int d=n;

cin>>n;

while(n) r=r\*10+n%10,n/=10;

cout<<r<<" "<<(r==d?"Polindrom":"Polindrom deyil");

}

14.

#include <iostream>

using namespace std;

int main() {

for (int i=1;i<=100;i++)

if(i%3==0 && i%7==0)

cout<<i<<" ";

}

15.

#include <iostream>

using namespace std;

int main() {

int n;

int s=0;

int x;

cin>>n;

while (n--) {

cin>>x;

s+=x;

}

cout<<s;

}

Level 4.

1.

#include <iostream>

using namespace std;

int main() {

int n;

int c=0;

cin>>n;

for (int i=2;i<=n;i+=2)

c+=i\*i;

cout<<"Cemi:"<<c;

}

2.

#include <iostream>

using namespace std;

int main() {

int n;

int c=0;

cin>>n;

if (n==0) c=1;

else while (n!=0) n/=10, c++;

cout<<"Reqemlerin sayi:"<<c;

}

3.

#include <iostream>

using namespace std;

int main() {

int n;

cin>>n;

for(int i=2;i<n;i++) {

bool s=1;

for (int j=2;j\*j<=i;j++)

if (i%j==0) s=0;

if(s)cout<<i<<" ";

}

}

4.

#include <iostream>

using namespace std;

int main() {

for(int i=100;i<1000;i++) {

int a=i/100,b=i/10%10,c=i%10;

if(a+b+c==10)

cout<<i<<" ";

}

}

5.

#include <iostream>

using namespace std;

int main() {

int n;

int c=0;

cin>>n;

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

if(n%i==0) c++;

cout<<c;

}

7.

#include <iostream>

using namespace std;

int main() {

int n,x,r;

int c=0;

cin>>n; x=n;

while(x){r=x%10; c+=r\*r\*r; x/=10;}

cout<<(c==n?"Amstronq":"Deyil");

}

8.

#include <iostream>

using namespace std;

int main() {

int n;

cin>>n;

for (int i=31;i>=0;i--)

cout<<((n>>i)&1);

}

9.

#include <iostream>

using namespace std;

int main() {

for(int i=1;i<1000;i++){

int x=i,r=0,y=i;

while(x) r=r\*10+x%10,x/=10;

if (r==y) cout<<i<<" ";

}

}

10.

#include <iostream>

using namespace std;

int main() {

double a,b;

char t;

cin>>a;

while(cin>>t>>b)

cout<<(t=='+'?a+=b:t=='-'?a-=b:t=='\*'?a\*=b:t=='/'?a/=b:a)<<endl;

}

11.

#include <iostream>

using namespace std;

int main() {

int a=1,b=0;

int c;

while (a<1000) cout<<a<<" ",c=a+b,a=b,b=c;

}

12.

#include <iostream>

using namespace std;

int main() {

int n,s=0;cin>>n;

for(int i=1;i<n;i++)if(n%i==0)s+=i;

cout<<(s==n?"Beraberdir":"Beraber deyil");

}

13.

#include <iostream>

using namespace std;

int main() {

int n,s1=0,s2=0,a[100];

cin>>n;

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

cin>>a[i];

if(i%2)s2+=a[i];

else s1+=a[i]; }

cout<<"Cut: "<<s1<<"\nTek: "<<s2;

}

14.

#include <iostream>

using namespace std;

int main() {

int n,t=0,m;

cin>>n;

m=n;

while(n){t=t\*10+n%10;n/=10;}

cout<<(m==t?"Beraberdir":"Beraber deyil");

}

15.

#include <iostream>

using namespace std;

int main() {

int n,max;

while(cin>>n && n!=0) if(n>max) max=n;

cout<<max;

}