과제2.A

#include<iostream>

using namespace std;

int main()

{

char out[21];

char in[21];

int n=0;

int i =0;

int a =0;

char z = '\0';

cout << "문ö¢ç자U : ";

cin >> in;

while (true){

if(in[n]==z)

break;

n=n+1;}

while(i<n){

out[i]=in[n-i-1];

i=i+1;

}

cout<<"\n";

while(a<n){

if(in[a]!=out[a]){

cout <<in[a] <<"\t"<<out[a]<<"Wrong\n회¢¬문ö¢ç이I 아ú¨¡닙¥O니¥I다¥U.\n";

break;

}

cout <<in[a] <<"\t"<<out[a]<<"\n";

if(a==n-1)

cout <<"회¢¬문ö¢ç입O니¥I다¥U."<<"\n";

a=a+1;

}

return 0;

}

과제2.B

#include<iostream>

using namespace std;

int main()

{

char in[21];

char\* x=&in[0];

char out[21];

char\* y=&out[0];

int n=0;

int i =0;

int a =0;

char z = '\0';

cout << "문ö¢ç자U를¬| 쓰ú©÷시öA오¯A : ";

cin >> in;

while (true){

if(\*(x+n)==z)

break;

n=n+1;}

cout <<"\n"<<"글¾U자U"<<n<<"개Æ©ø\n";

while(i<n){

\*(y+i)=\*(x+n-i-1);

i=i+1;}

cout<<"\n";

while(a<n){

if(\*(x+a)!=\*(y+a)){

cout << \*(x+a) <<"\t"<<\*(y+a)<<"\t\n회¢¬문ö¢ç이I 아ú¨¡닙¥O니¥I다¥U.\n";

break;}

cout << \*(x+a) <<"\t"<<\*(y+a)<<"\n";

if(a==n-1)

cout <<"회¢¬문ö¢ç입O니¥I다¥U."<<"\n";

a=a+1;}

return 0;

}

과제2.C

#include <iostream>

#include <cstdlib>

#include <ctime>

using namespace std;

struct StudentInfo {

int stdnumber;

double grade;

};

int main() {

const int arraySize = 30;

StudentInfo stdInfo[arraySize];

StudentInfo\* pInfo[arraySize];

srand((unsigned)time(0));

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

pInfo[i] = &stdInfo[i]; }

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

pInfo[i]->grade = rand()%5 + ((double)rand()/(2\*RAND\_MAX));

pInfo[i]->stdnumber = rand();

}

cout << "Before Sorting: " << endl;

cout << "StudnetNumber" << "\t" << "Grade" << endl;

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

cout << pInfo[i]->stdnumber << "\t\t" << pInfo[i]->grade << endl;

}

**int f = 0 ;**

**while(f<arraySize){**

**int n = 0;**

**double b = 0;**

**while(n<arraySize-1){**

**if(pInfo[n]->grade<pInfo[n+1]->grade)**

**{**

**b= pInfo[n]->grade;**

**pInfo[n]->grade=pInfo[n+1]->grade;**

**pInfo[n+1]->grade= b;**

**b= pInfo[n]->stdnumber;**

**pInfo[n]->stdnumber=pInfo[n+1]->stdnumber;**

**pInfo[n+1]->stdnumber= b;**

**}**

**n++;}**

**f++;}**

cout << "After Sorting: " << endl;

cout << "StudnetNumber" << "\t" << "Grade" << endl;

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

cout << pInfo[i]->stdnumber << "\t\t" <<pInfo[i]->grade << endl;

}

return 0;}

**2차원 배열 문자 출력**

#include<iostream>

using namespace std;

int main()

{

char\* pex[]={"scientia","est","potentia"};

int a ;

int b ;

int i = 0 ;

while(i<=2){

a = 0;

b = 0;

while(true)

{

b++;

if (\*(pex[i]+a)=='\0')

break;

a++;

}

while(a>=0){

cout<<\*(pex[i]+a);

a--;

}

cout<<"\n";

i++;

}

return 0;}

**포인트 이용 문자출력**

include<iostream>

using namespace std;

int main()

{

char\* pex="scientia est potentia";

int i = 0 ;

int n = 0 ;

while(true)

{

n++;

if (\*(pex+i)=='\0')

break;

i++;

}

while(i>=0){

cout<<\*(pex+i);

i--;

}

return 0;

}

졸렬킹

#include<iostream>

using namespace std;

int main()

{

int a[] = {8,21,9,4,12,3,52,20,11,5,3,1};

int s = 11;

int f = 0;

while(f<12){

int n = 0;

int b = 0;

while(n<s){

if(a[n]>a[n+1]){

b= a[n];

a[n]=a[n+1];

a[n+1]= b;}

n++;}

f++;}

int c = 0;

while(c<s+1){

cout<<a[c]<<"\n";

c++;}

return 0;

}

**Temp 템프(bitset)**

#include <iostream>

#include <bitset>

using namespace std;

int main()

{

unsigned short int temp;

unsigned short int zero = 0x0000;

unsigned short int one = 0x0001;

int count = 0;

cout<<"정¢´수ùo 입O력¤A";

cin >> temp;

cout<<"temp=" << bitset<16>(temp)<<"\n";

while(true)

{

if(temp & one)

count=count +1;

temp = temp>>1;

if(temp ==zero)

break;

}

cout<<"1의C 갯Æ©ö수ùo:"<< count;

return 0;

}

**함수2개 이용**

#include<iostream>

using namespace std;

int manpower(int b, int n)

{

int temp = 1;

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

temp=temp\*b;

return temp;

}

int main()

{

int b , n, result;

cin>>b>>n;

result=manpower(b,n);

cout<<"power("<<b<<","<<n<<")="<<result<<"\n";

return 0;

}