**RANDOM PASSWORD GENERATOR**

#include<iostream>

#include<cstdlib>

#include<ctime>

using namespace std;

static const char alphnum[]="0123456789" "!@#$%^&\*" "ABCDEFGHIJKLMNOPQRSTUVWXYZ" "abcdefghijklmnopqrstuvwxyz";

int strLen=sizeof(alphnum)-1;

char GenRand()

{

return alphnum[rand()%strLen];

}

int main()

{

int n,c=0,s=0;

srand(time(0));

cout<<"Enter the length of the password required:";

cin>>n;

cout<<n<<endl;

cout<<"Your Password is:";

N:

char C;

string D;

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

{

C=GenRand();

D+=C;

if(isdigit(C))

{

c++;

}

if(C=='!' || C=='@' || C=='$' || C=='%' || C=='^' || C=='&'|| C=='\*'|| C=='#')

{

s++;

}

}

if(n>2 && (s==0 || c==0))

{

goto N;

}

cout<<D;

cout<<endl<<endl<<" THANK YOU";

return 0;

}