#include<stdio.h>

#include<stdlib.h>

void permutation(char \*a,char \*pwd,int k,int m);

int main()

{

char a[7]={'1','3','a','s','t','i','\0'};

char pwd[6];

int m=4;

printf("List of password");

permutation(a,pwd,0,m);

return 0;

}

void permutation(char \*a,char \*pwd,int k,int m)

{

int i;

if(k==m)

{

pwd[k]='\0';

printf("\t%s",pwd);

}

else

{

for(i=0;a[i]!='\0';i++)

{

pwd[k]=a[i];

permutation(a,pwd,k+1,m);

}

}

}

/\*

OUTPUT :

List of password 1111 1113 111a 111s 111t 111i 1131 1133 113a 113s 113t 113i 11a1 11a3 11aa 11as 11at 11ai

11s1 11s3 11sa 11ss 11st 11si 11t1 11t3 11ta 11ts 11tt 11ti 11i1 11i3 11ia 11is 11it 11ii 1311 1313 131a

131s 131t 131i 1331 1333 133a 133s 133t 133i 13a1 13a3 13aa 13as 13at 13ai 13s1 13s3 13sa 13ss 13st 13si

13t1 13t3 13ta 13ts 13tt 13ti 13i1 13i3 13ia 13is 13it 13ii 1a11 1a13 1a1a 1a1s 1a1t 1a1i 1a31 1a33 1a3a

1a3s 1a3t 1a3i 1aa1 1aa3 1aaa 1aas 1aat 1aai 1as1 1as3 1asa 1ass 1ast 1asi 1at1 1at3 1ata 1ats 1att 1ati

1ai1 1ai3 1aia 1ais 1ait 1aii 1s11 1s13 1s1a 1s1s 1s1t 1s1i 1s31 1s33 1s3a 1s3s 1s3t 1s3i 1sa1 1sa3 1saa

\*/