Problem:

Given an integer n, using phone keypad find out and print all the possible strings that can be made using digits of input n.

**Note : The order of strings are not important. Just print different strings in new lines.**

**Input Format :**

Solution:

#include <string>

using namespace std;

string fun(int n){

if(n==1)

return "";

if(n==2)

return "abc";

if(n==3)

return "def";

if(n==4)

return "ghi";

if(n==5)

return "jkl";

if(n==6)

return "mno";

if(n==7)

return "pqrs";

if(n==8)

return "tuv";

if(n==9)

return "wxyz";

}

void printKeypad1(int num,string output){

int i;

if(num==0){

cout<<output<<endl;

return;

}

string s=fun(num%10);

int length=s.length();

for(i=0;i<length;i++)

{

printKeypad1( num/10,output+s[i]);

}

}

void printKeypad(int num){

int number=0;

string output="";

while(num!=0)

{

int modul=num%10;

number=number\*10+modul;

num=num/10;

}

// cout<<number<<endl;;

printKeypad1( number,output);

}