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**ROLL NO:** CSU-F17-107 (3B)

**ASSIGNMENT NO:** 2

**DEPARTMENT**: BSCS (3rd Semester)

**SUBMITTED TO**

**SIR. USMAN**

**ASSIGNMENT 2**

**QUESTION:**

Given a string which contains alphanumeric characters only, sort and print the string in the following manner:

1. **All sorted lowercase letters are ahead of uppercase letters**
2. **All sorted uppercase letters are ahead of digits**
3. **All sorted even digits are ahead of sorted odd digits**.

# include <iostream>

using namespace std;

int main()

{

string st;

cout<<"enter your String "<<endl;

cin>>st;

for(char j='a';j<='z'; j++)

{

for ( char k=0 ;k<st.length();k++)

{

if(st[k]==j)

{

cout<<j;

}

}

}

for(char j='A';j<='Z'; j++)

{

for ( char k=0 ;k<st.length();k++)

{

if(st[k]==j)

{

cout<<j;

}

}

}

for(char j='0';j<='8';j=j+2)

{

for ( int k=0 ;k<st.length();k++)

{

if( st[k]==j)

{

cout<<j;

}

}

}

for(char j='1';j<='9'; j=j+2)

{

for ( int k=0 ;k<st.length();k++)

{

if(st[k]==j)

{

cout<<j;

} }

}

return 0;

system("pause");

}