# Program:

#include <stdio.h>

#include <unistd.h>

#include <iostream>

#include <ctype.h>

using namespace std;

//UR12SC135

int main()

{

int fd[2];

int t=0, f=0, g=0, h=0, p;

char buffera[20], bufferb[20], ta[20], tb[20], a[20], b[20], bb[20];

pipe(fd);

cout<<"Enter Data to file:\n ";

cin.getline(buffera,20);

write(fd[1], buffera, 20);

read(fd[0], bufferb, 20);

for(int w=0;w<20;w++)

ta[w]=' ';

for(int i=0;i<20;i++)

{

f++;//if(bufferb[i]!=' ')

ta[g++]=bufferb[i];

for(int z=0;z<20;z++){bb[z]=b[z];}

for(int q=19;q>=0;q--)

{

p=q-1;

tb[q]=tb[p];

}

tb[0]=bufferb[i];

for(int z=0;z<20;z++){a[z]=ta[z];b[z]=tb[z];}

// cout<<"\na: "<<a<<" b: "<<bb;

// cout<<"\n"<<f<<" "<<bufferb[i];

if(bufferb[i]==' ')

{

for(int y=0;y<20;y++) a[y]=toupper(a[y]);

if(f%2==1)

cout<<"\n"<<a;

if(f%2==0)

cout<<"\n"<<bb;

f=0;

for(int w=0;w<20;w++){a[w]=' ';b[w]=' ';bb[w]=' '; ta[w]=' '; tb[w]=' ' ;}

// cout<<"\n\n\n\na: "<<a<<"b: "<<b<<"bb: "<<bb<<"\n\n\n\n";

}

if(bufferb[i]=='\0')

{

for(int y=0;y<20;y++) a[y]=toupper(a[y]);

if(f%2==1)

cout<<"\n"<<a;

if(f%2==0)

cout<<"\n"<<bb;

f=0;

break;

for(int w=0;w<20;w++){a[w]=' ';b[w]=' ';bb[w]=' '; ta[w]=' '; tb[w]=' ';}

}

}

return 0;

cout<<"\n";

}

# Output:

