**NATIONAL INSTITUTE OF TECHNOLOGY PUDUCHERRY**

**(An Institution of National Importance under MHRD, Govt. of India)**

**KARAIKAL – 609 609**



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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| **Semester:** | 5 | **Date:** | 14/10/2021 |
| **Subject Code:** | CS305 | **Subject Name:** | UNIX Programming |



**Q1. Simulate popen() to open two pipes one to the “date” command, the other to “word count” command.**

**CODE:**

#include<stdio.h>

#include<unistd.h>

#include<stdlib.h>

#include<string.h>

using namespace std;

int main()

{

FILE \*date,\*wc;

char a[50],b[50];

date=popen("date","r");

if(date!=NULL)

{

fread(a,sizeof(char),50,date);

printf("Date Command:\n");

write(1,a,strlen(a));

printf("\n");

pclose(date);

}

printf("Word Count Command:\n");

wc=popen("wc -c","w");

sprintf(b,"Hey there,I am Ritindra");

fwrite(b,sizeof(char),strlen(b),wc);

pclose(wc);

exit(EXIT\_SUCCESS);

}

**OUTPUT:**

**Text

Description automatically generated**