**PROGRAM**

#include<stdio.h>

#include<sys/types.h>

#include<unistd.h>

#include<string.h>

#define size 20

int pd[2],n;

void main()

{

int k,i;

char str[20][20];

printf("Enter The No.Of Strings\n");

scanf("%d",&n);

printf("Enter The Names\n");

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

{

scanf("%s",str[i]);

}

k=pipe(pd);

if(k==-1)

printf("pipe creation failed\n");

if(fork()==0)

child(pd,str,n);

else

parent(pd);

}

child(int pd[2],char str[20][20])

{

int i;

close(pd[0]);

printf("\nChild :\n");

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

{

write(pd[1],str[i],size);

}

}

parent(int pd[2])

{

wait(5);

close(pd[1]);

int i,j;

char s[20][20],temp[20];

printf("Parent :\n");

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

{

read(pd[0],s[i],size);

}

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

{

for(j=1;j<n;j++)

{

if(strcmp(s[j-1],s[j])>0)

{

strcpy(temp,s[j-1]);

strcpy(s[j-1],s[j]);

strcpy(s[j],temp);

}

}

}

printf("\nSorted Names Are : \n");

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

{

printf("%s\n",s[i]);

}

}

**OUTPUT**

**mat@mat-18:~/Desktop/VANISHA46$ gcc stringsortpipe.c**

**mat@mat-18:~/Desktop/VANISHA46$ ./a.out**

Enter The No.Of Strings

5

Enter The Names

vanisha

vidya

srujy

eby

vandana

Child :

Parent :

Sorted Names Are :

eby

srujy

vandana

vanisha

vidya