

//c program to generate parent process to write unnamed pipe and will read from it

```
#include<stdio.h>
```

```
#include<unistd.h>
```

```
#include<string.h>
```

```
int main() {
```

```
    int fd[2] , ret = 0;
```

```
    char buffer[] = "Marvellous InfoSystems";
```

```
    char readBuff[BUFSIZ];
```

```
    pid_t Childpid;
```

```
    pipe(fd);                                //create a oneway communication channel i.e pipe i.e unnamed pipe
```

```
    Childpid = fork();
```

```
    if(Childpid == 0)                        //child process
```

```
    {
```

```
        close(fd[0]);                        /*close the input side of the pipe after entering the child process*/
```

```
        printf("Child initiates communication by writing the data at output side of the pipe \n");
```

```
        write(fd[1] , buffer , sizeof(buffer));    /*Child process writes at the output side of the pipe*/
```

```
    }
```

```
    else                                    //parent process
```

```
    {
```

```
        close(fd[1]);                        /*Close output side of the pipe after the entering the parent process*/
```

```
ret = read(fd[0] , readBuff , sizeof(readBuff));/*Parent proces reads the data i.e written by the child  
at output side of the
```

```
pipe*/
```

```
printf("The data read by Parent process is : %s \n",readBuff);
```

```
}
```

```
return 0;
```

```
}
```

Output

The data read by Parent process is : Marvellous InfoSystems

Child intiaites communication by writing the data at output side of the pipe