## OS-Experiment 11

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Batch: CSE-O2

```
aryan@LAPTOP-S5BAGLQR: ·
                                                                                         char inbuf[MSGSIZE];
int p[2],i;
if(pipe(p)<0)
write(p[1],msg1,MSGSIZE);
write(p[1],msg1,MSGSIZE);
write(p[1],msg3,MSGSIZE);
for(l=0;i<:ji++)
{</pre>
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```

```
main()
                                   in()

int pipefds[2];

int returnstatus;

char writemessages[2][30]={"Hi", "Hello"};

char readmessages[20];

returnstatus = pipe(pipefds);

if (returnstatus = 1) {

    return i;

}

printf("Umbile to gine - Message 1 is %\n", writemessages[0]);

    write(pipefds[1], reintemessages[0], sizeof(oritemessages[0]);

    write(pipefds[1], reintemessages[0], sizeof(oritemessages[0]);

    readdipipefds[0], readmessages, sizeof(readmessage);

    printf("Mesting to pine - Message 2 is %\n", writemessages[0]);

    readdipipefds[0], readmessages[1], sizeof(oritemessages[0]);

    read(pipefds[0], readmessage, sizeof(readmessage));

    printf("Mesting from pipe - Message 2 is %\n", readmessage));

    printf("Mesting from pipe - Message 2 is %\n", readmessage);

    return 0;
```

```
pipefds1[2], pipefds2[2];
returnstatus1, returnstatus2;
                    t returnstatus1, returnstatus2;
t pid;
an pipelwritemessage[20] = "Hi";
an pipe2writemessage[20] = "Hello";
an readmessage[20];
turnstatus1 = pipe(pipefds1);
(returnstatus1 = -1)
                                                   close(pipefds1[0]);
close(pipefds2[1]);
close(pipefds2[1]);
printf('In Parent: Mriting to pipe 1 - Message is %\n", pipelwritemessage);
write(pipefds1[1], pipelwritemessage, sizeof(pipelwritemessage));
read(pipefds2[1], readmessage, sizeof(readmessage));
printf('In Parent: Reading from pipe 2 - Message is %\n", readmessage);
                                                     close(pipefds1[:]); // close the unwanted pipel write side close(pipefds2[:]); // close the unwanted pipe2 read side read(pipefds2[:]], readmessage, sizeof(readmessage); printf('In Child: Reading from pipe 1 - Message is %\n', readmessage); printf('In Child: Writing to pipe 2 - Message is %\n', pipe2writemessage); write(pipefds2[:], pipe2writemessage, sizeof(pipe2writemessage));
aryan@LAPTOP-S5BAGLQR:
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