

Consider the following C program. (For space reasons, we are not checking error return codes, so assume that all functions return normally.)

```
/* bunch of include files */
pid_t pidc1;    pid_t pidc2;
int i, childstatus;

void aprintit()
{
    printf("zip");
    fflush(stdout); /* immediately flushes the printed string to stdout */
}

void anotherprintit()
{
    sleep(1) /* sleeps for 1 second */
    printf("zap");
    exit(0);
}

main()
{
    if ((pidc1 = fork()) == 0)
    {
        aprintit();
    }

    if ((pidc2 = fork()) == 0)
    {
        anotherprintit();
    }

    wait(&childstatus); // waits for any child to die
    wait(&childstatus); // waits for any child to die
    printf("zoom");
}
```

Assuming that yours is the only program that executes and that a timeslice is no more than .10 seconds

What is the output string that this program prints?

**zip zap zap zoom zoom or zip zap zoom zap zoom**