

Princeton University  
COS 217: Introduction to Programming Systems  
Trace of testforkexecwait

```
% gcc217 testforkexecwait.c -o testforkexecwait
```

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Trace of testforkexecwait

```
% ./testforkexecwait
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```
int main(int argc, char *argv[])
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    pid_t iPid;
    for (;;)
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            apcArgv[0] = "date";
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            execvp("date", apcArgv);
            perror(argv[0]);
            exit(EXIT_FAILURE);
        }
        wait(NULL);
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not 0

concurrent

```
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{
    Date
    program
}

return 0;
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Writes the current date/time

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            execvp("date", apcArgv);
            perror(argv[0]);
            exit(EXIT_FAILURE);
        }
        wait(NULL);
        sleep(3);
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}
```

not 0

concurrent

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int main(int argc, char *argv[])
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 Trace of testforkexecwait

```
% ./testforkexecwait
```

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```

not 0

concurrent

```
int main(int argc, char *argv[])
{
    Date
    program
}

return 0;
```

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Trace of testforkexecwait

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```

not 0

concurrent

```
int main(int argc, char *argv[])
{
    Date
    program
}

return 0;
```

Writes the current date/time

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```
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```
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