

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

```
% gcc217 hello.c -o hello
```

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

```
% ./hello
```

```
22386
```

```
int main(void)
{
    pid_t iPid;
    iPid = getpid();
    printf("%d hello\n", (int)iPid);
    return 0;
}
```

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

```
% ./hello
```

```
22386
```

```
int main(void)
{
    pid_t iPid;
    iPid = getpid();
    printf("%d hello\n", (int)iPid);
    return 0;
}
```

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

```
% ./hello
```

```
22386
```

```
int main(void)
{
    pid_t iPid;
    iPid = getpid();
    printf("%d hello\n", (int)iPid);
    return 0;
}
```


```
22386
```

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

```
% ./hello
```

```
22386
```

```
int main(void)
{
    pid_t iPid;
    iPid = getpid();
    printf("%d hello\n", (int)iPid);
    return 0;
}
```

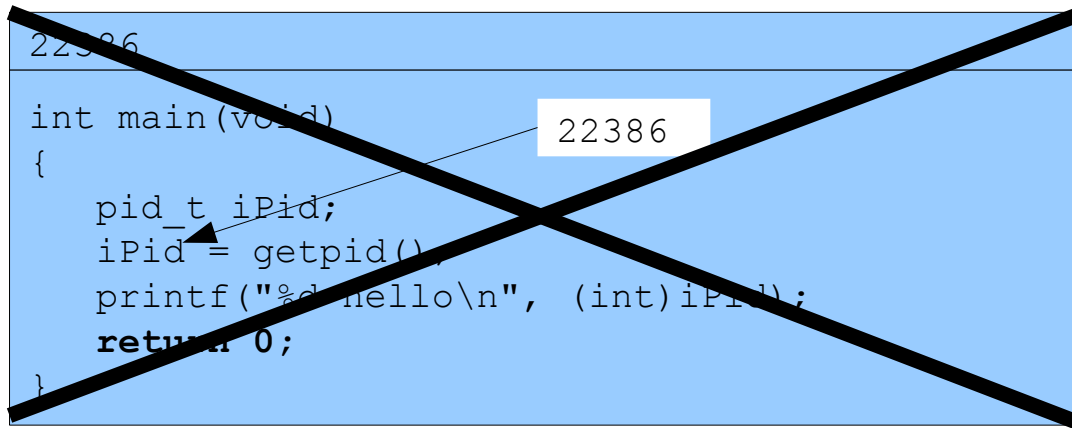


Writes:

```
22386 hello
```

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

```
% ./hello
```



```
22386  
int main(void)  
{  
    pid_t iPid;  
    iPid = getpid();  
    printf("%d\nhello\n", (int)iPid);  
    return 0;  
}
```

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

%

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

```
% ./hello
```

```
22387
```

```
int main(void)
{
    pid_t iPid;
    iPid = getpid();
    printf("%d hello\n", (int)iPid);
    return 0;
}
```


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

```
% ./hello
```

```
22387
```

```
int main(void)
{
    pid_t iPid;
    iPid = getpid();
    printf("%d hello\n", (int)iPid);
    return 0;
}
```

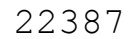
Princeton University
COS 217: Introduction to Programming Systems
Trace of hello

```
% ./hello
```

```
22387
```

```
int main(void)
{
    pid_t iPid;
    iPid = getpid();
    printf("%d hello\n", (int)iPid);
    return 0;
}
```

```
22387
```

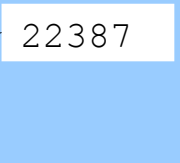


Princeton University
COS 217: Introduction to Programming Systems
Trace of hello

```
% ./hello
```

```
22387
```

```
int main(void)
{
    pid_t iPid;
    iPid = getpid();
    printf("%d hello\n", (int)iPid);
    return 0;
}
```



Writes:

```
22387 hello
```

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

```
% ./hello
```

```
22387  
int main(void)  
{  
    pid_t iPid;  
    iPid = getpid();  
    printf("%d\n", (int)iPid);  
    return 0;  
}
```

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

%