% gcc217 testforkexit.c -o testforkexit

```
29595
int main(void)
   pid t iPid;
   printf("%d parent\n",
      (int)getPid());
   fflush (NULL);
   iPid = fork();
   if (iPid == 0)
      printf("%d child\n",
         (int)getPid());
      exit(0);
   printf("%d parent\n",
      (int)getPid());
   return 0;
```

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   fflush (NULL);
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         (int)getPid());
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      (int)getPid());
   return 0;
```

% ./testforkexit

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int main(void)
   pid t iPid;
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      (int)getPid());
   fflush (NULL);
   iPid = fork();
   if (iPid == 0)
      printf("%d child\n",
         (int)getPid());
      exit(0);
   printf("%d parent\n",
      (int)getPid());
   return 0;
```

Writes:

29595 parent

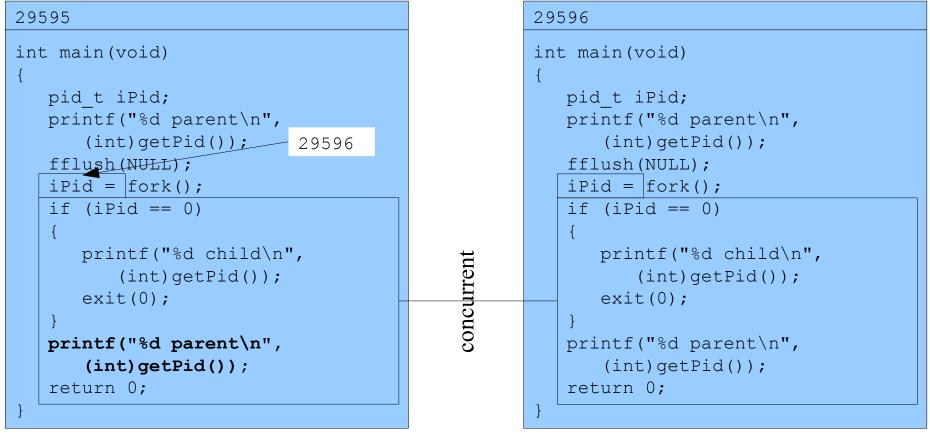
```
29595
int main(void)
   pid t iPid;
   printf("%d parent\n",
      (int)getPid());
   fflush(NULL);
   iPid = fork();
   if (iPid == 0)
      printf("%d child\n",
         (int)getPid());
      exit(0);
   printf("%d parent\n",
      (int)getPid());
   return 0;
```

```
29296
29595
int main (void)
                                                  int main(void)
   pid t iPid;
                                                     pid t iPid;
   printf("%d parent\n",
                                                     printf("%d parent\n",
      (int)getPid());
                                                         (int)getPid());
   fflush (NULL);
                                                     fflush (NULL);
                                                     iPid = fork();
   iPid = fork();
   if (iPid == 0)
                                                     if (iPid == 0)
      printf("%d child\n",
                                                        printf("%d child\n",
                                           concurrent
          (int)getPid());
                                                            (int)getPid());
      exit(0);
                                                        exit(0);
   printf("%d parent\n",
                                                     printf("%d parent\n",
      (int)getPid());
                                                         (int)getPid());
   return 0;
                                                     return 0;
```

```
29596
29595
int main (void)
                                                 int main(void)
   pid t iPid;
                                                    pid t iPid;
   printf("%d parent\n",
                                                    printf("%d parent\n",
      (int)getPid()); 29596
                                                        (int)getPid());
   fflush (NULL);
                                                    fflush (NULL);
   iPid = fork();
                                                    iPid = fork();
   if (iPid == 0)
                                                    if (iPid == 0)
      printf("%d child\n",
                                                        printf("%d child\n",
                                          concurrent
         (int)getPid());
                                                           (int)getPid());
      exit(0);
                                                        exit(0);
   printf("%d parent\n",
                                                    printf("%d parent\n",
      (int)getPid());
                                                        (int)getPid());
   return 0;
                                                    return 0;
```

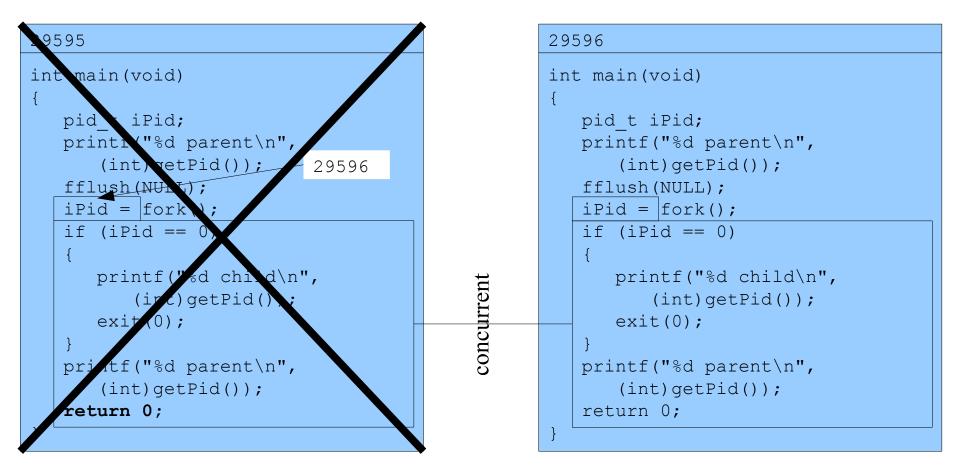
```
29596
29595
int main (void)
                                                 int main(void)
   pid t iPid;
                                                    pid t iPid;
   printf("%d parent\n",
                                                    printf("%d parent\n",
      (int)getPid()); 29596
                                                        (int)getPid());
   fflush (NULL);
                                                    fflush (NULL);
   iPid = fork();
                                                    iPid = fork();
   if (iPid == 0)
                                                    if (iPid == 0)
      printf("%d child\n",
                                                        printf("%d child\n",
                                          concurrent
         (int)getPid());
                                                           (int)getPid());
      exit(0);
                                                        exit(0);
   printf("%d parent\n",
                                                    printf("%d parent\n",
      (int)getPid());
                                                        (int)getPid());
   return 0;
                                                    return 0;
```

#### % ./testforkexit



Writes:

29595 parent



```
29596
int main(void)
   pid t iPid;
   printf("%d parent\n",
      (int)getPid());
   fflush (NULL);
   iPid fork();
   if (iPid == 0)
      printf("%d child\n",
         (int)getPid());
      exit(0);
   printf("%d parent\n",
      (int)getPid());
   return 0;
```

```
29596
int main(void)
   pid t iPid;
   printf("%d parent\n",
      (int)getPid());
   fflush (NULL);
   iPid fork();
   if (iPid == 0)
      printf("%d child\n",
         (int)getPid());
      exit(0);
   printf("%d parent\n",
      (int)getPid());
   return 0;
```

% ./testforkexit

```
29596
int main(void)
   pid t iPid;
  printf("%d parent\n",
      (int)getPid());
   fflush (NULL);
   iPid fork();
   if (iPid == 0)
     printf("%d child\n",
         (int)getPid());
      exit(0);
   printf("%d parent\n",
      (int)getPid());
   return 0;
```

Writes: 29596 child

```
9596
int main (void)
        iPid;
          ("%d parent\n",
      (int) getPid());
   fflush (NU)
   iPid fork
   if (iPid ==
      printf(
               %d chi\d\n",
              getPid(
      /tf("%d parent\n",
      (int)getPid());
   return 0;
```

%