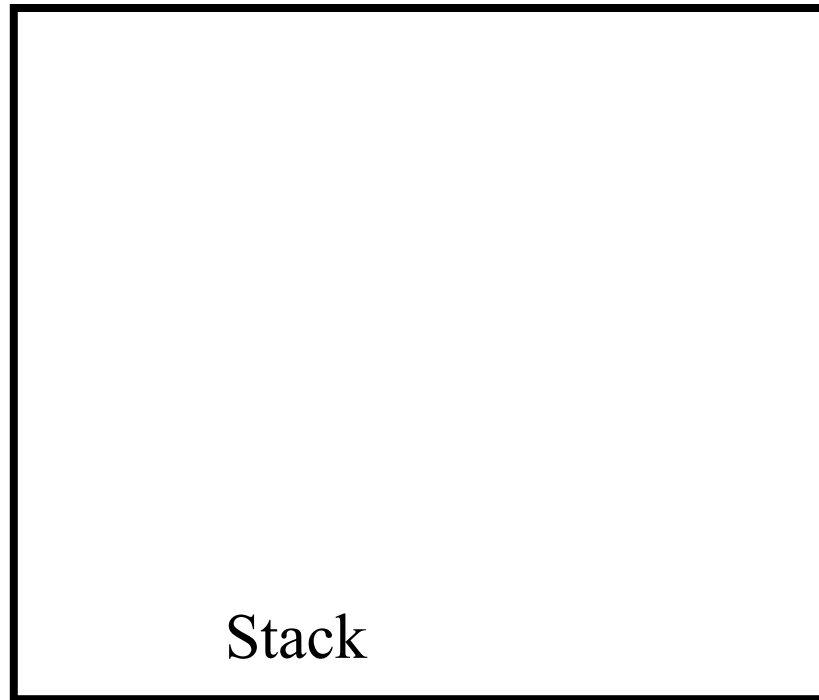


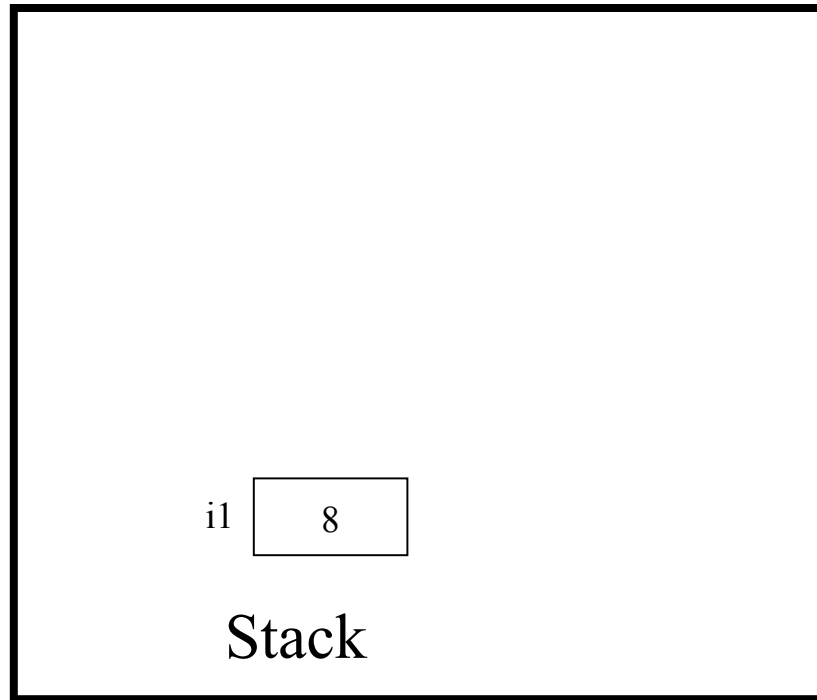
Princeton University
COS 217: Introduction to Programming Systems
Trace of testswapbad

```
int main(void)
```



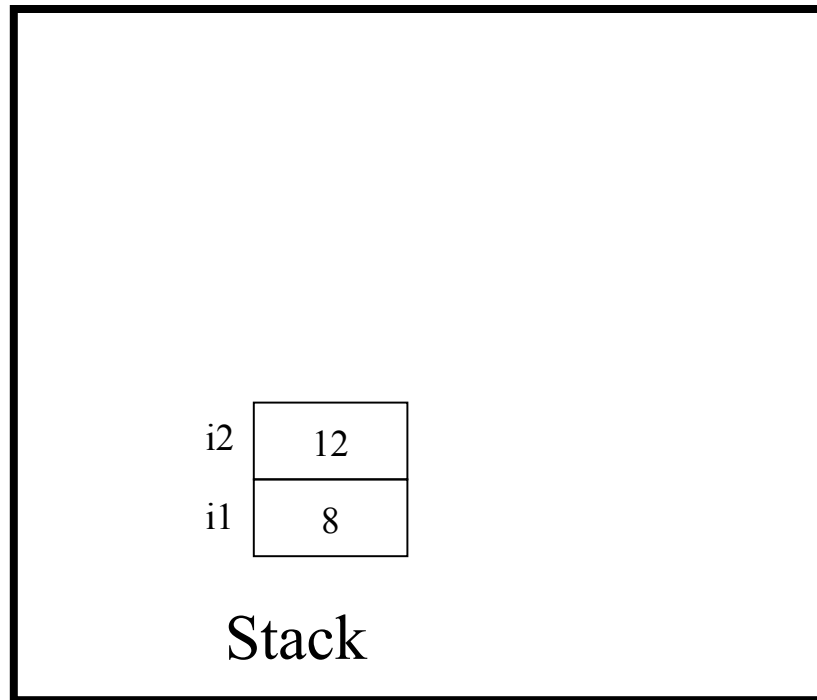
Princeton University
COS 217: Introduction to Programming Systems
Trace of testswapbad

```
int i1 = 8;
```



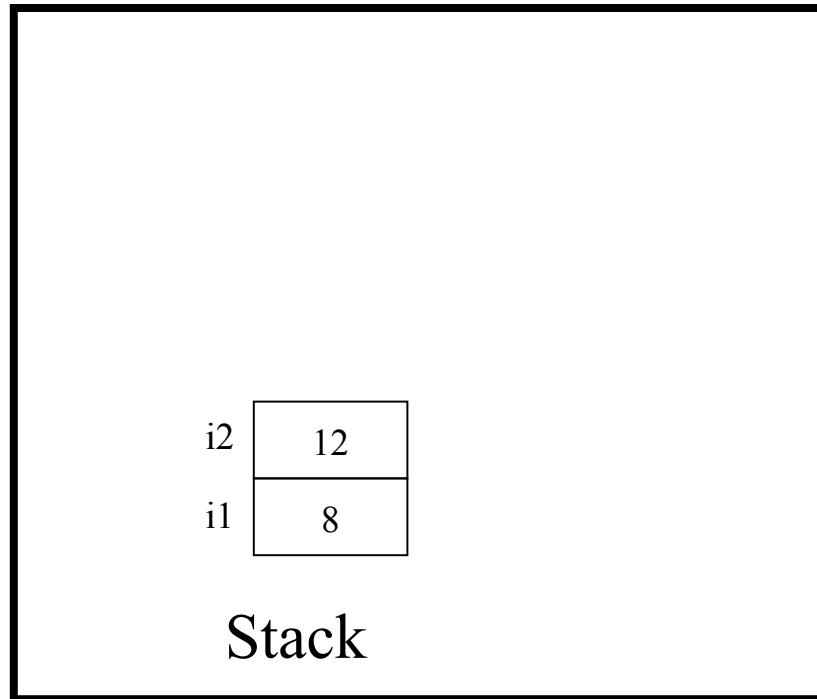
Princeton University
COS 217: Introduction to Programming Systems
Trace of testswapbad

```
int i2 = 12;
```



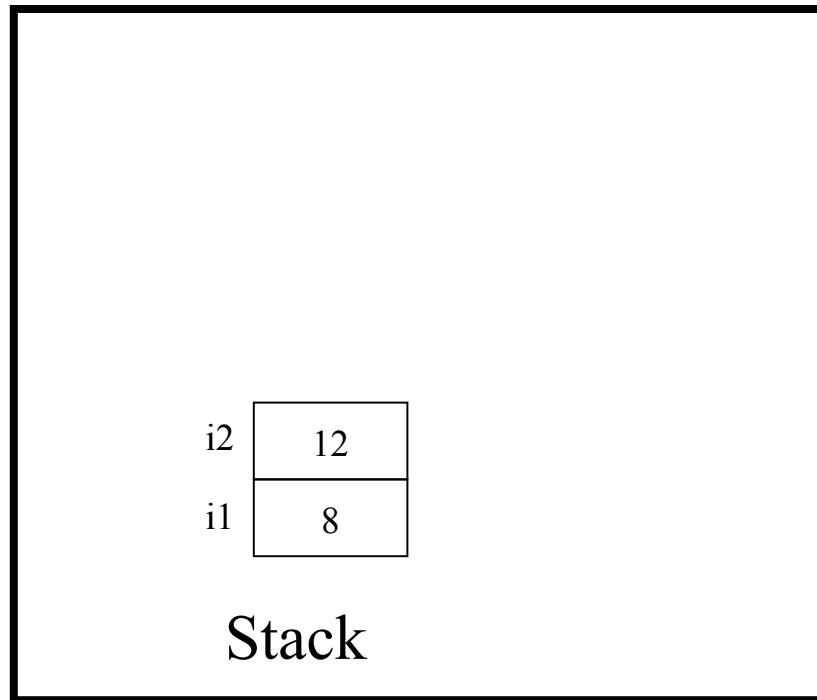
Princeton University
COS 217: Introduction to Programming Systems
Trace of testswapbad

```
printf("Before: %d %d\n", i1, i2);
```



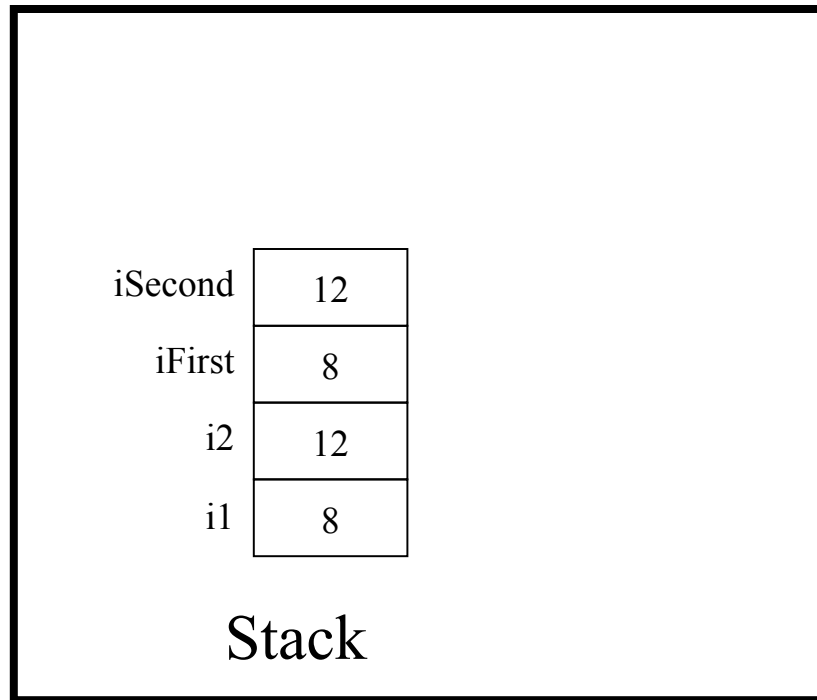
Princeton University
COS 217: Introduction to Programming Systems
Trace of testswapbad

```
swap(i1, i2);
```



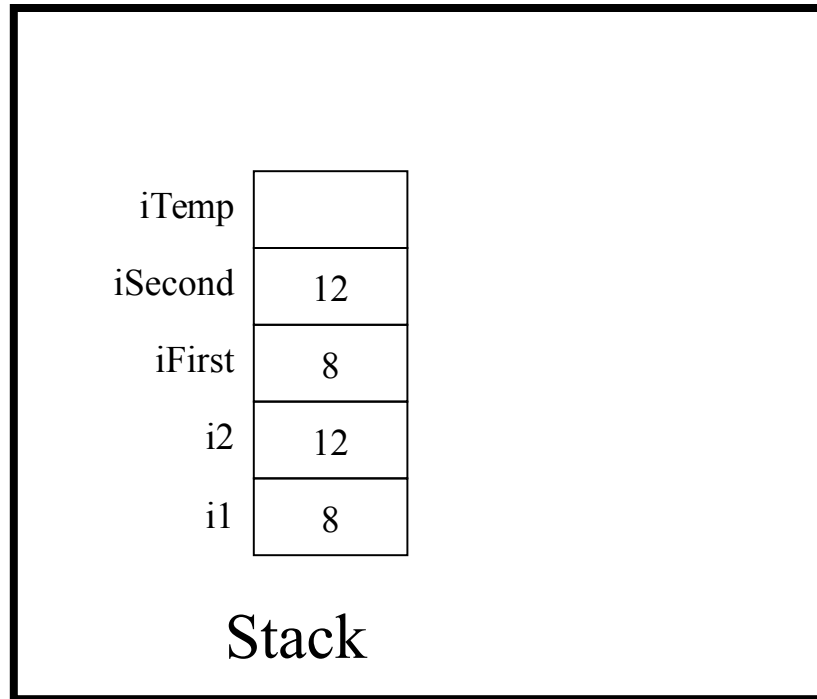
Princeton University
COS 217: Introduction to Programming Systems
Trace of testswapbad

```
static void swap(int iFirst, int iSecond)
```



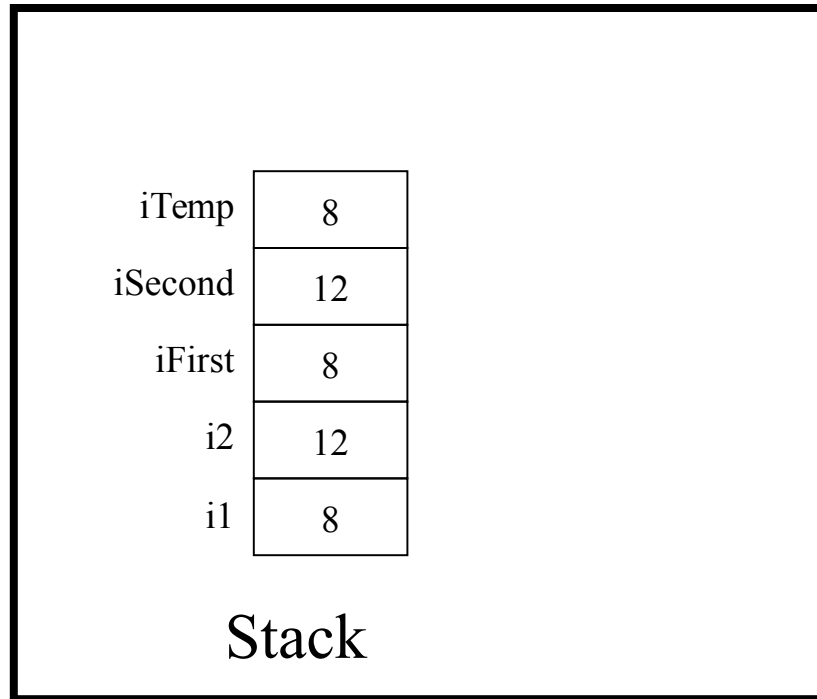
Princeton University
COS 217: Introduction to Programming Systems
Trace of testswapbad

```
int iTemp;
```



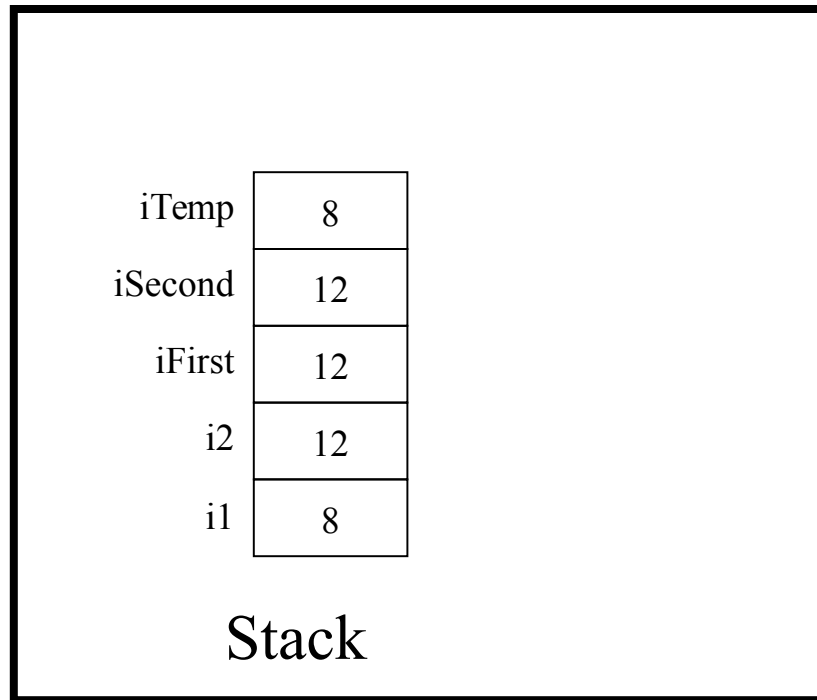
Princeton University
COS 217: Introduction to Programming Systems
Trace of testswapbad

```
iTemp = iFirst;
```



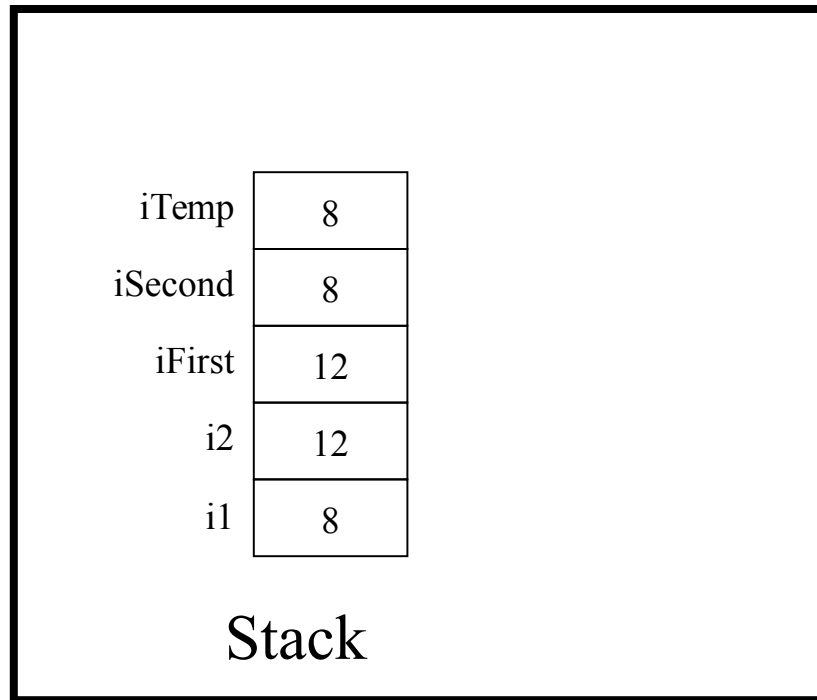
Princeton University
COS 217: Introduction to Programming Systems
Trace of testswapbad

```
iFirst = iSecond;
```



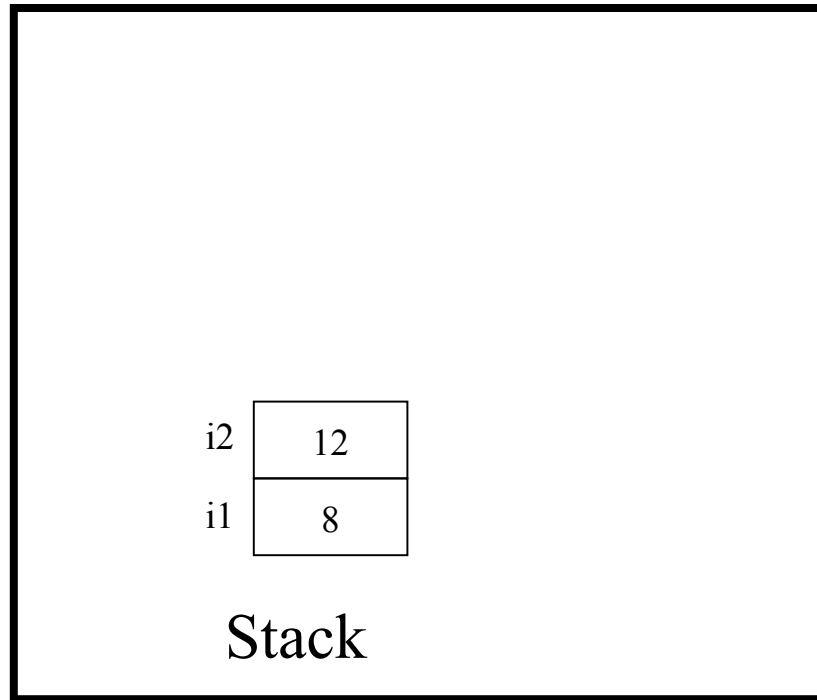
Princeton University
COS 217: Introduction to Programming Systems
Trace of testswapbad

```
iSecond = iTemp;
```



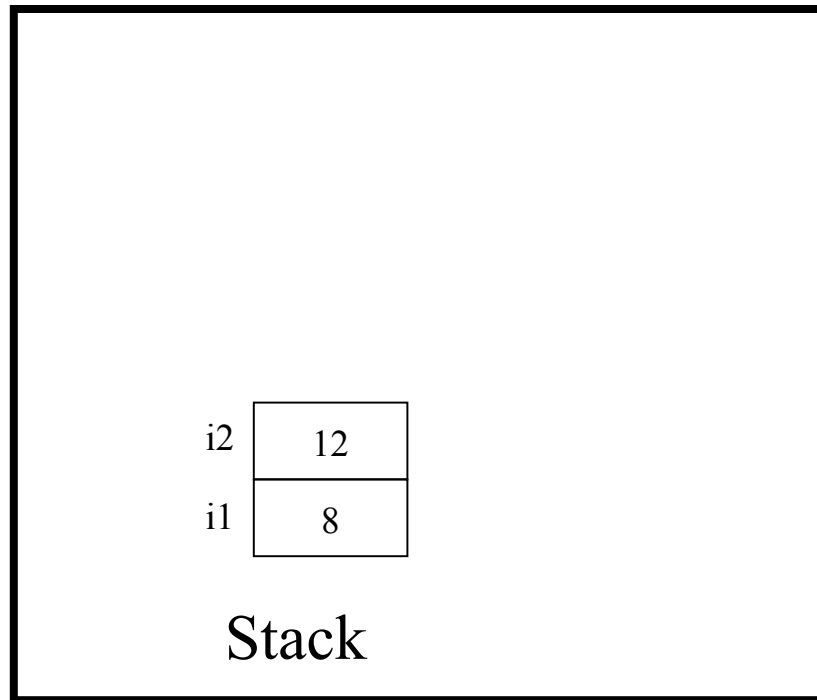
Princeton University
COS 217: Introduction to Programming Systems
Trace of testswapbad

Implicit return



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

```
printf("After:  %d %d\n", i1, i2);
```



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

```
return 0;
```

