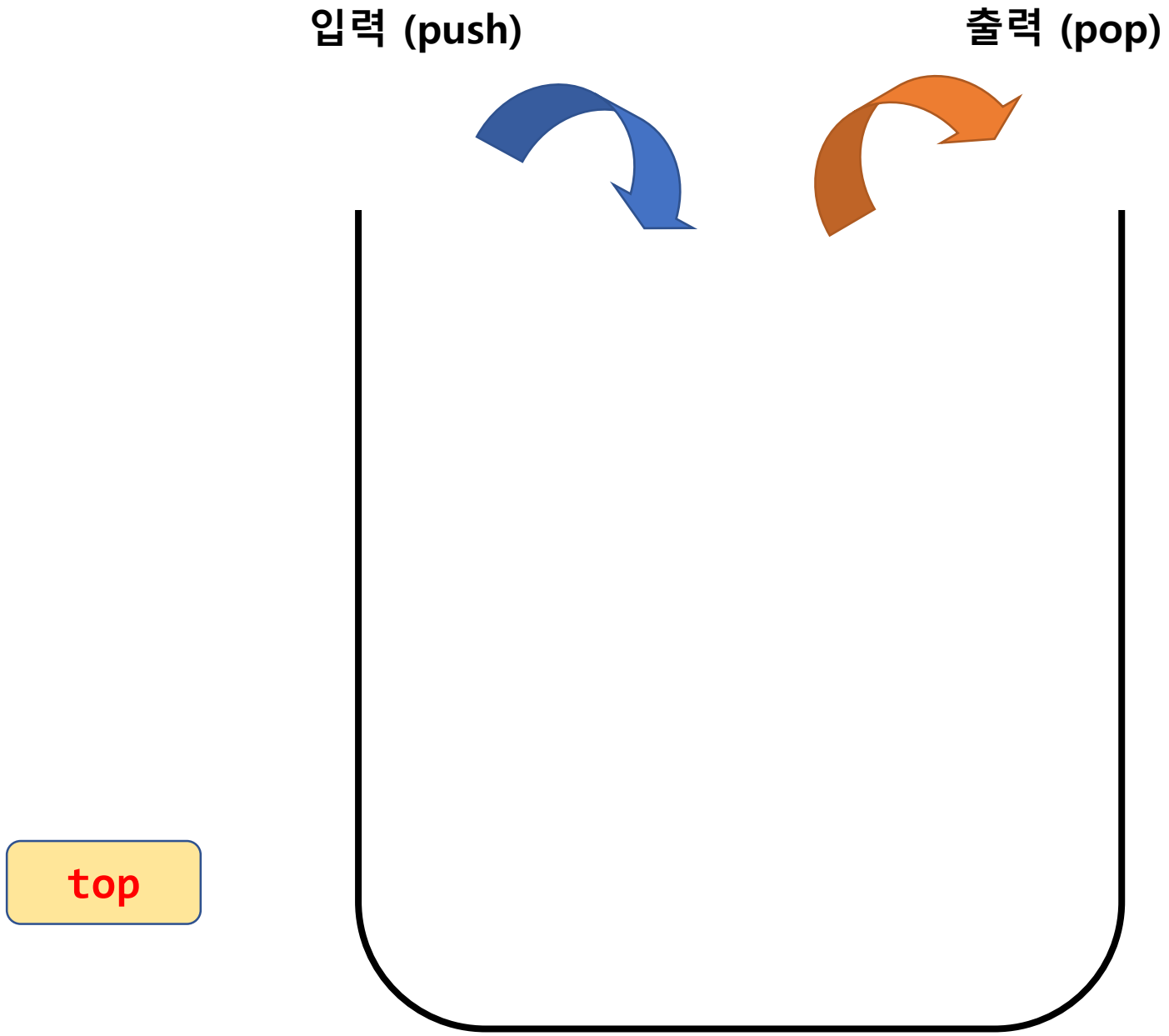
Data Struct

Stack

Stack 구조 파악하기

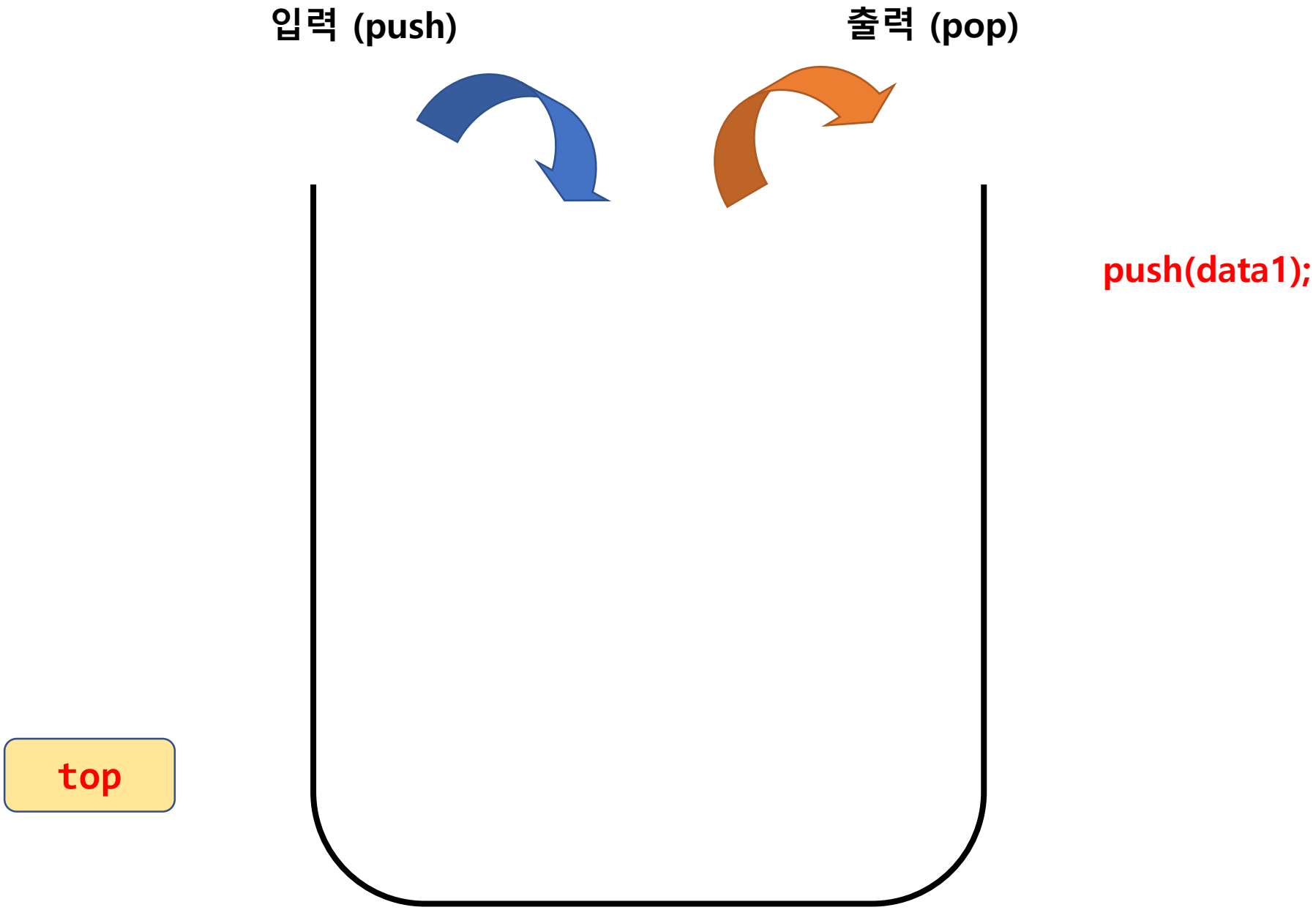
Data Struct

Stack



Data Struct

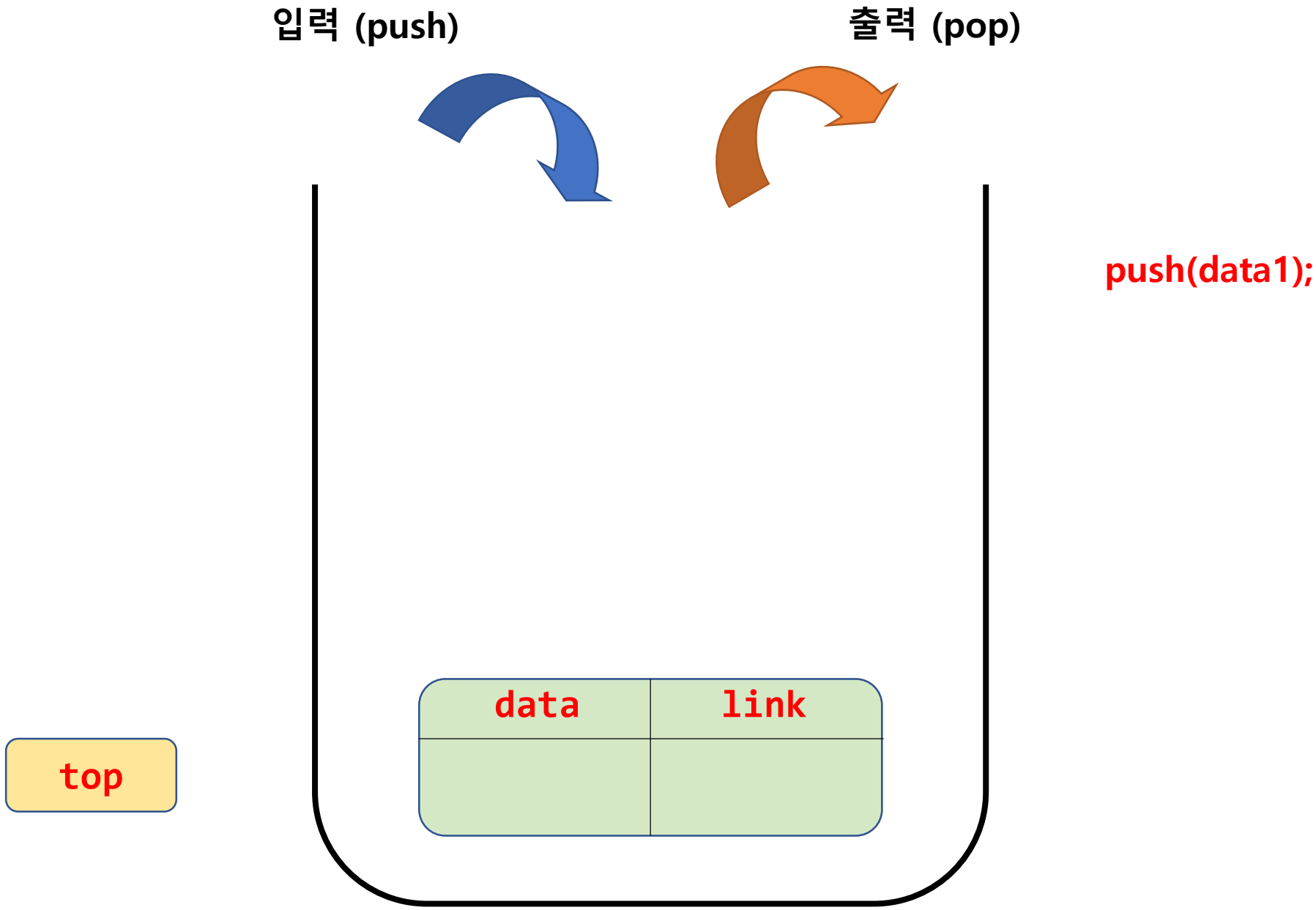
Stack



push(data1);

Data Struct

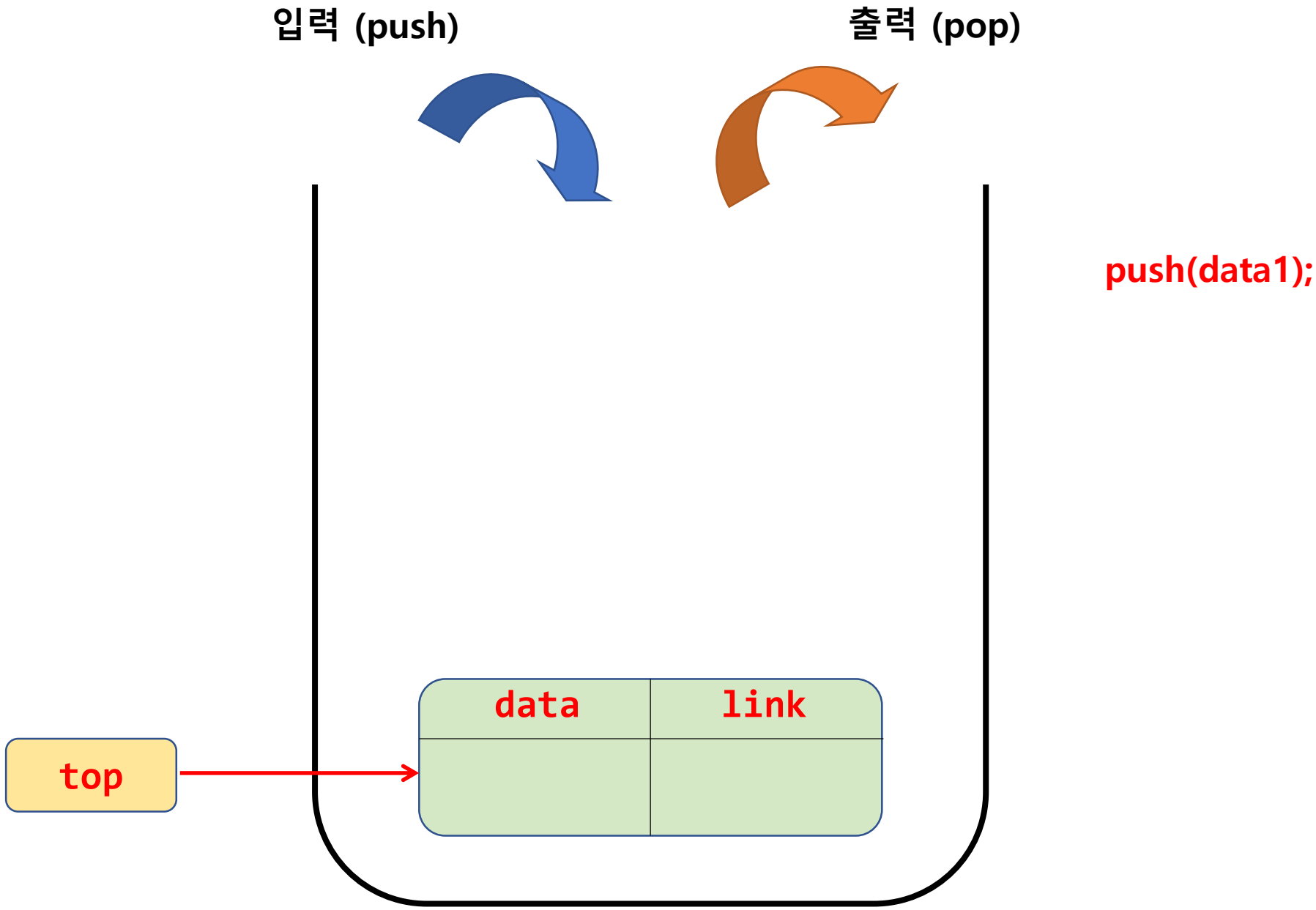
Stack



push(data1);

Data Struct

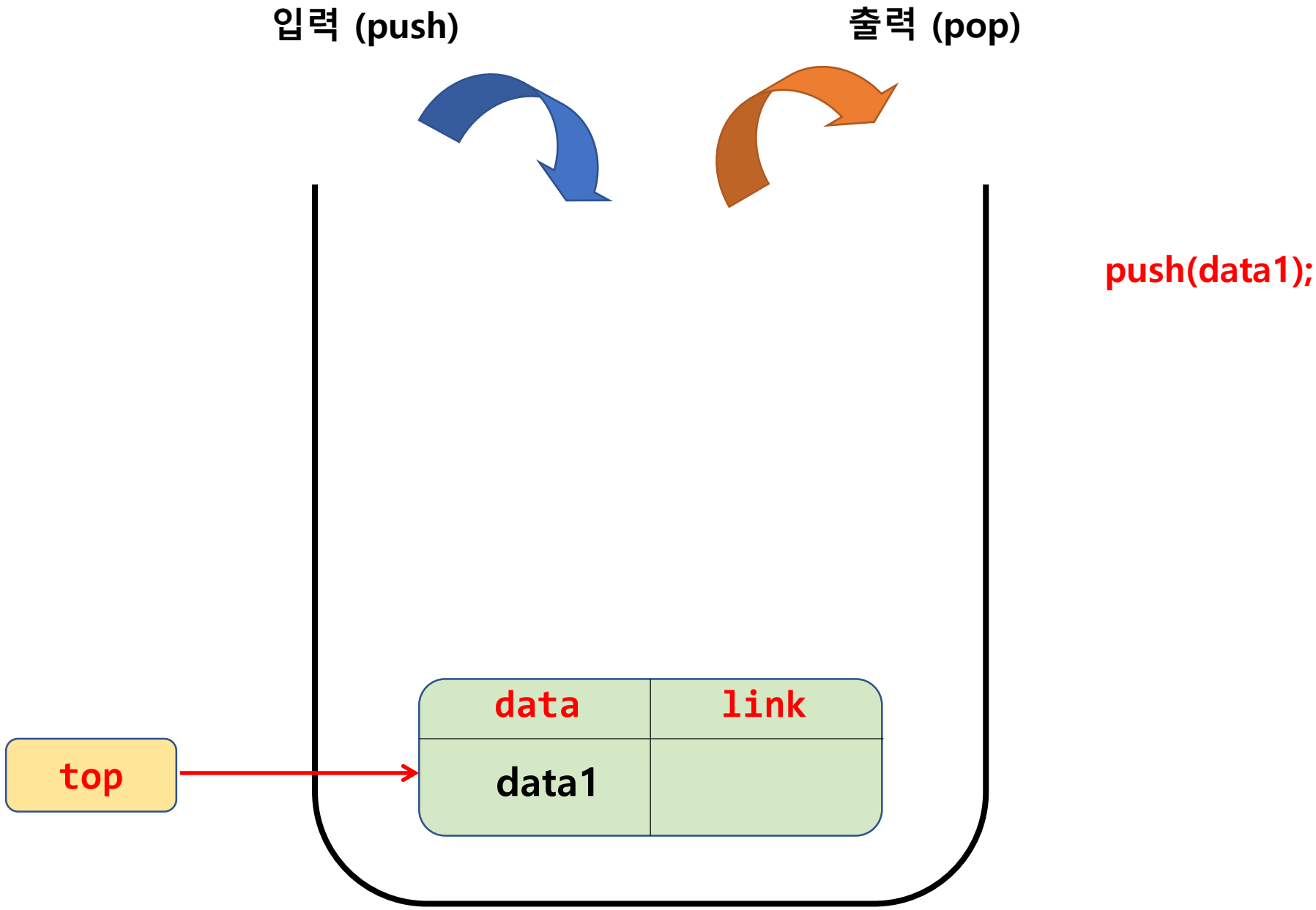
Stack



push(data1);

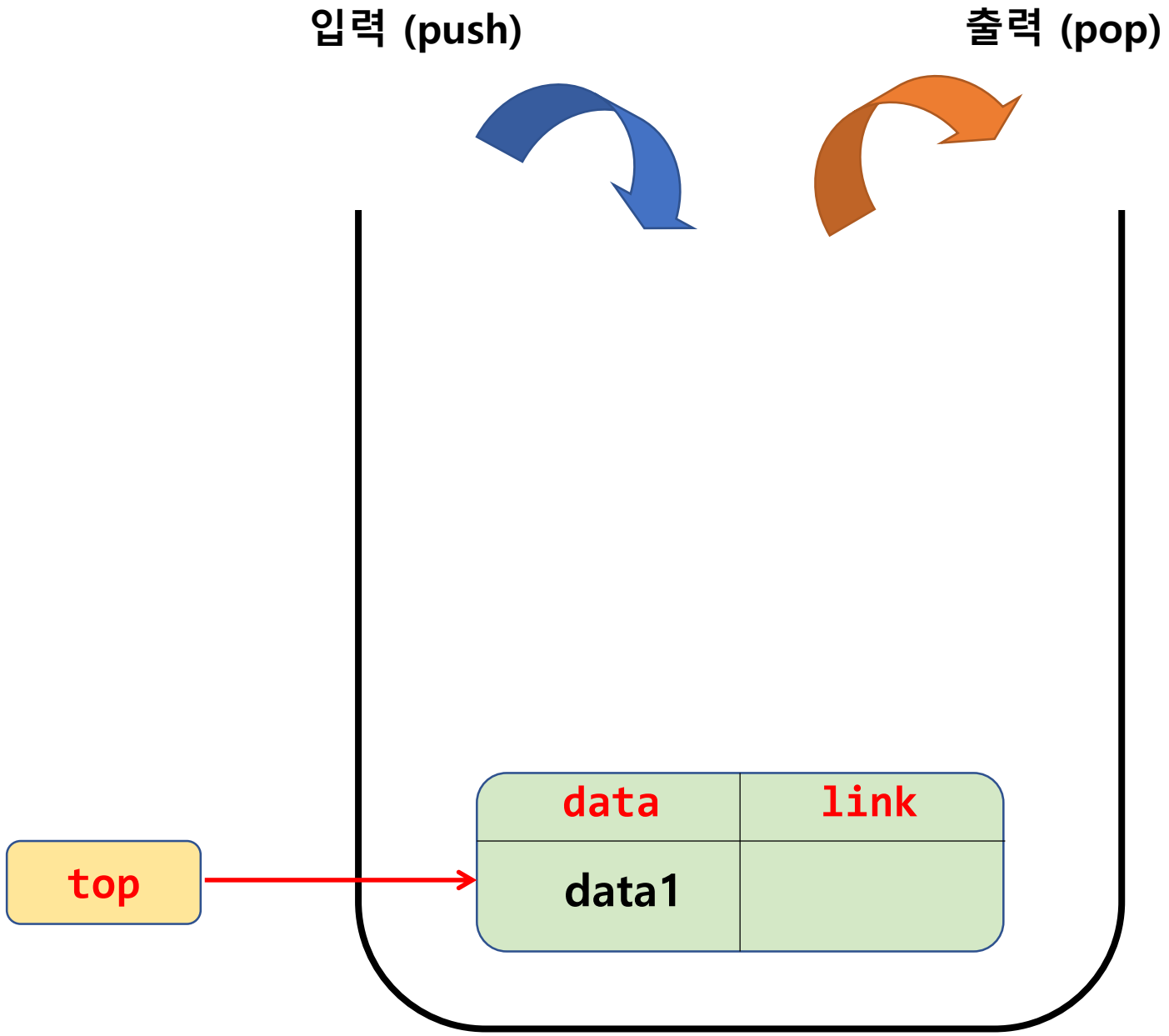
Data Struct

Stack



Data Struct

Stack

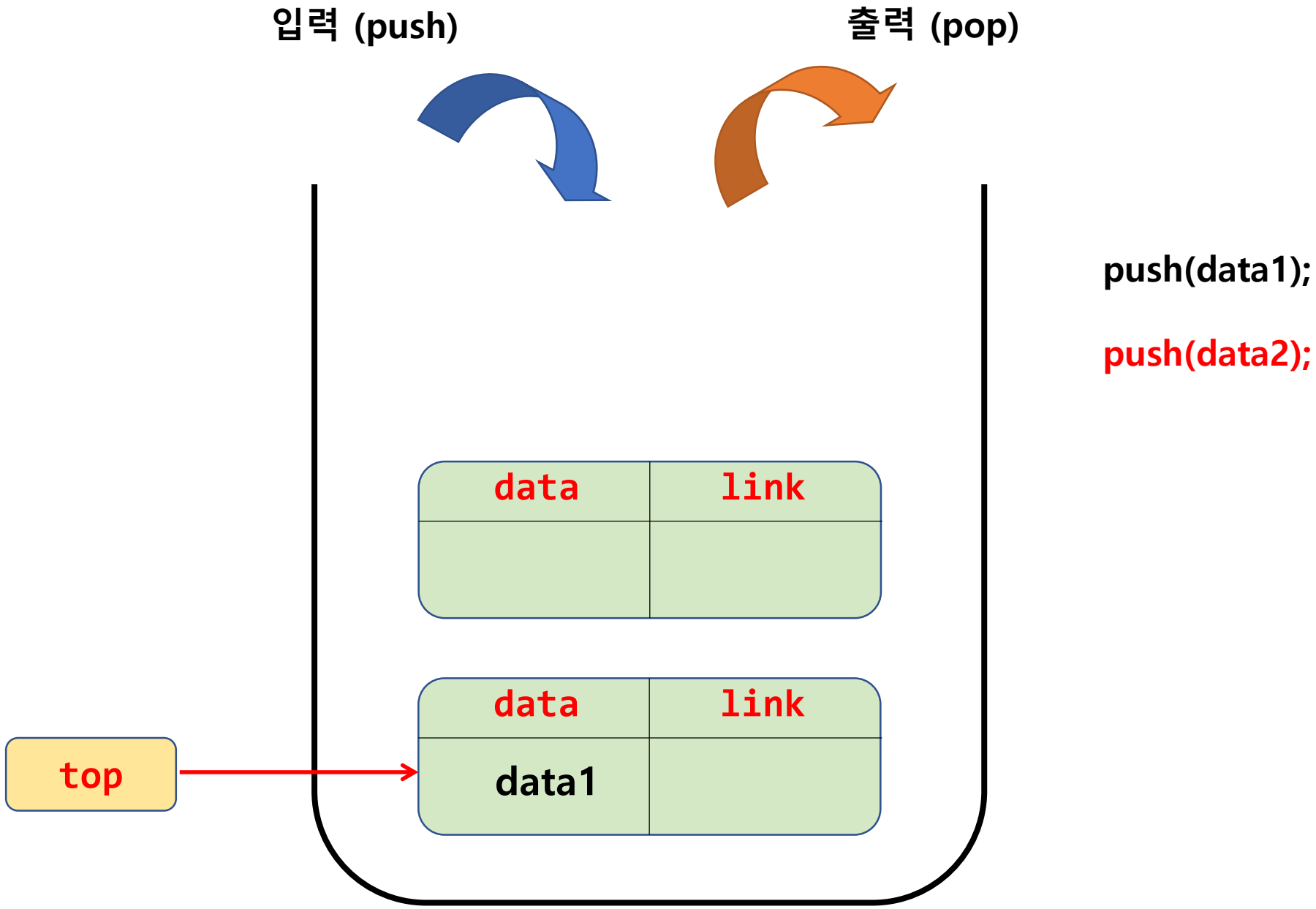


push(data1);

push(data2);

Data Struct

Stack

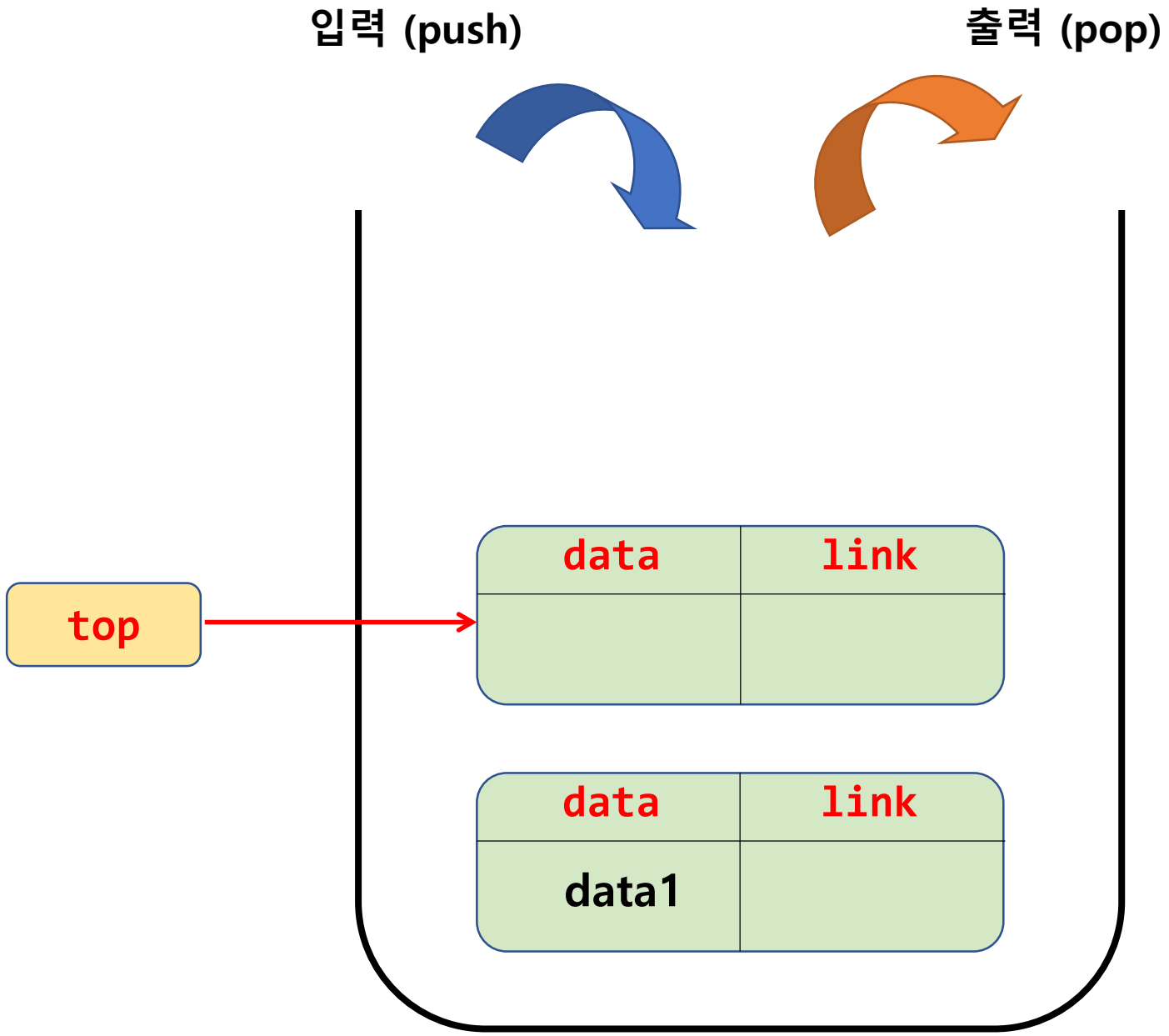


push(data1);

push(data2);

Data Struct

Stack

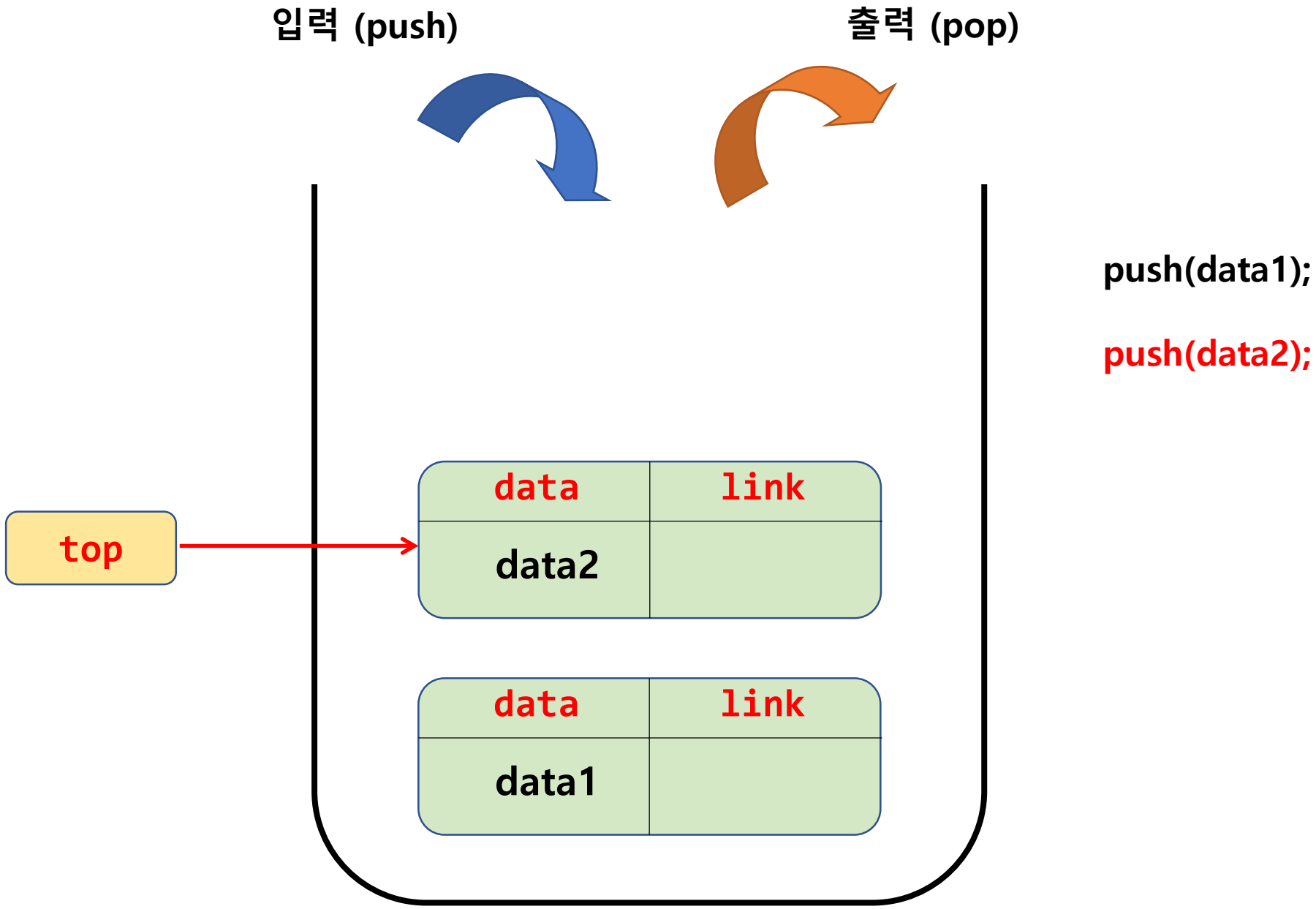


push(data1);

push(data2);

Data Struct

Stack

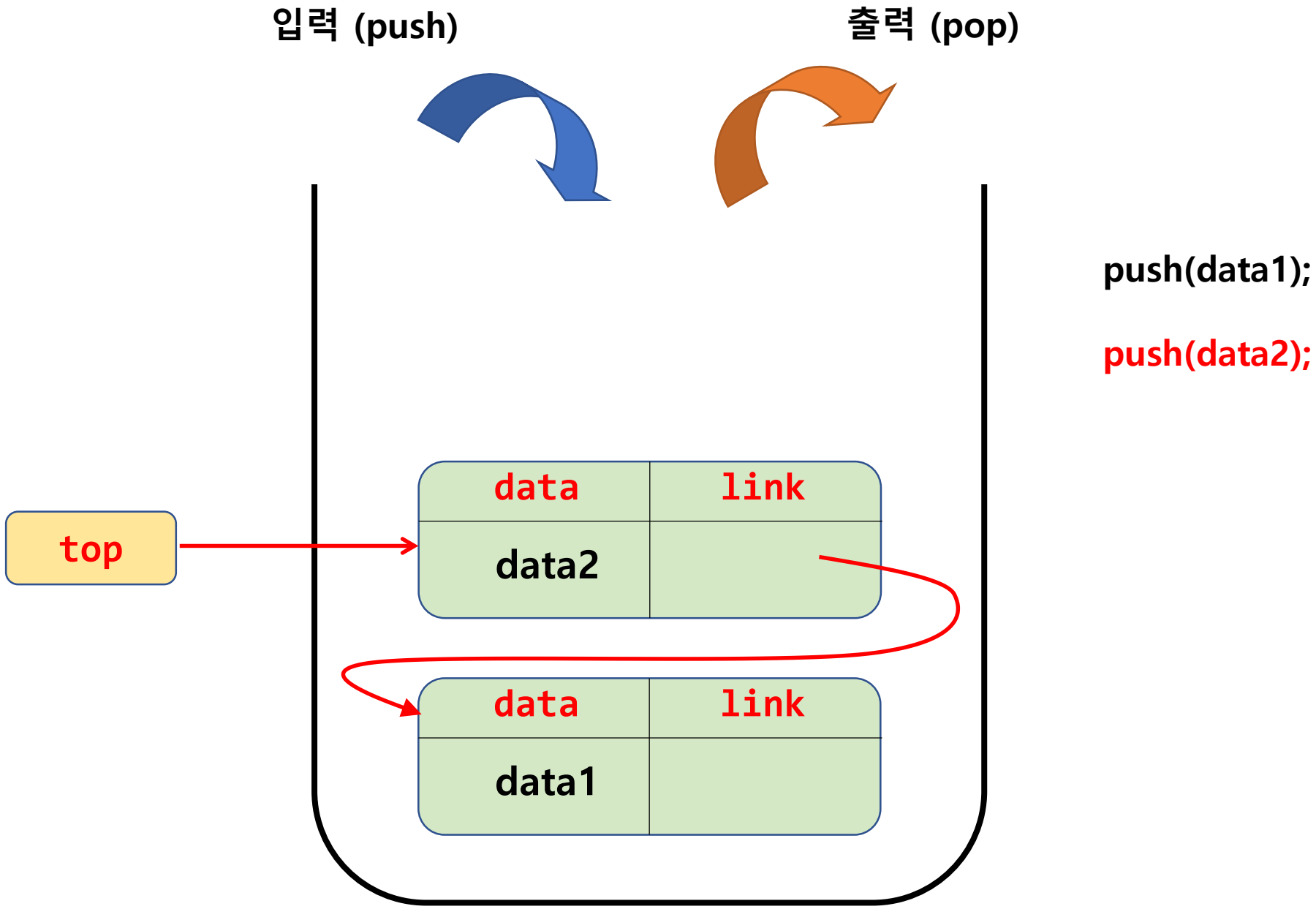


push(data1);

push(data2);

Data Struct

Stack

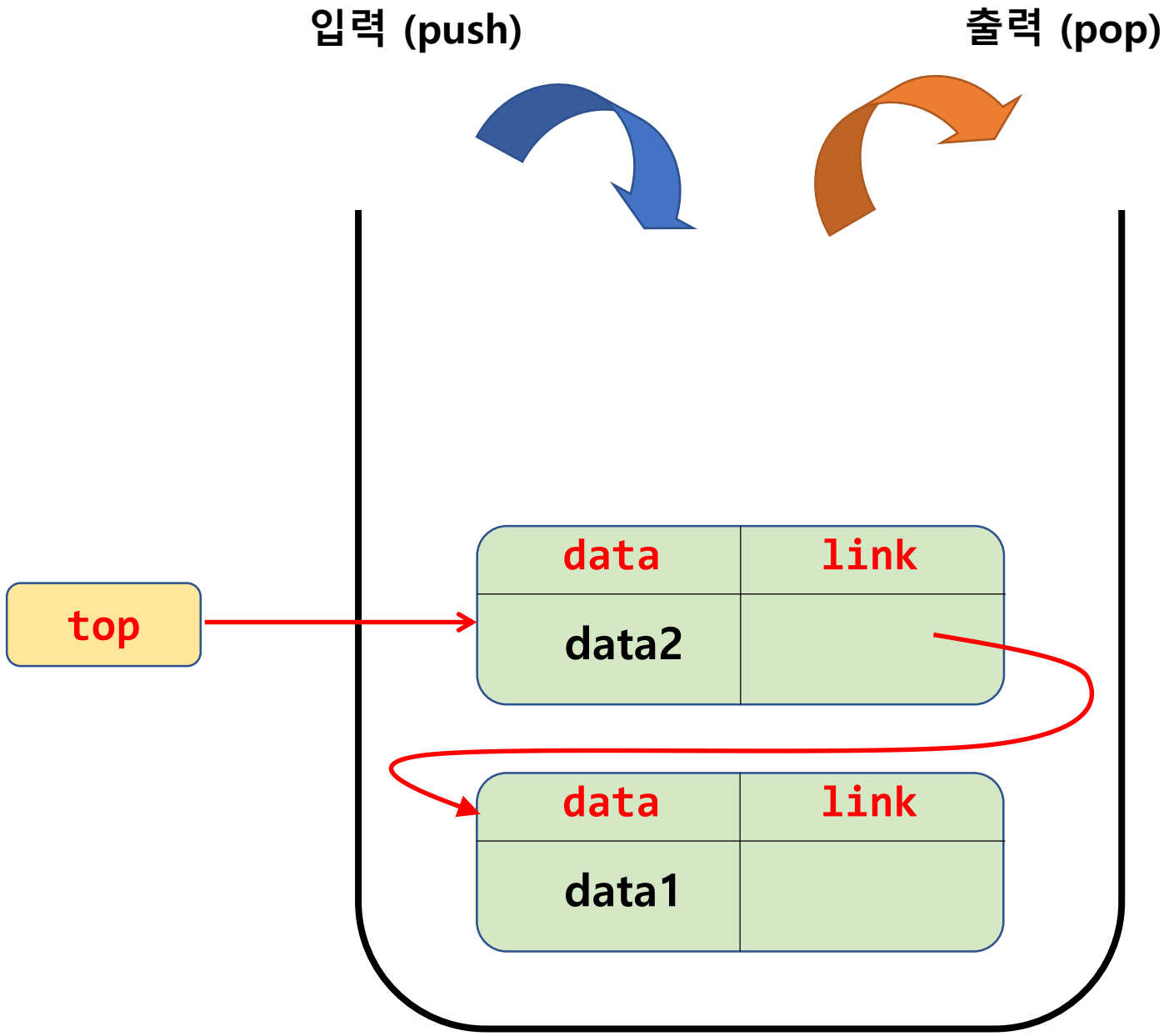


push(data1);

push(data2);

Data Struct

Stack



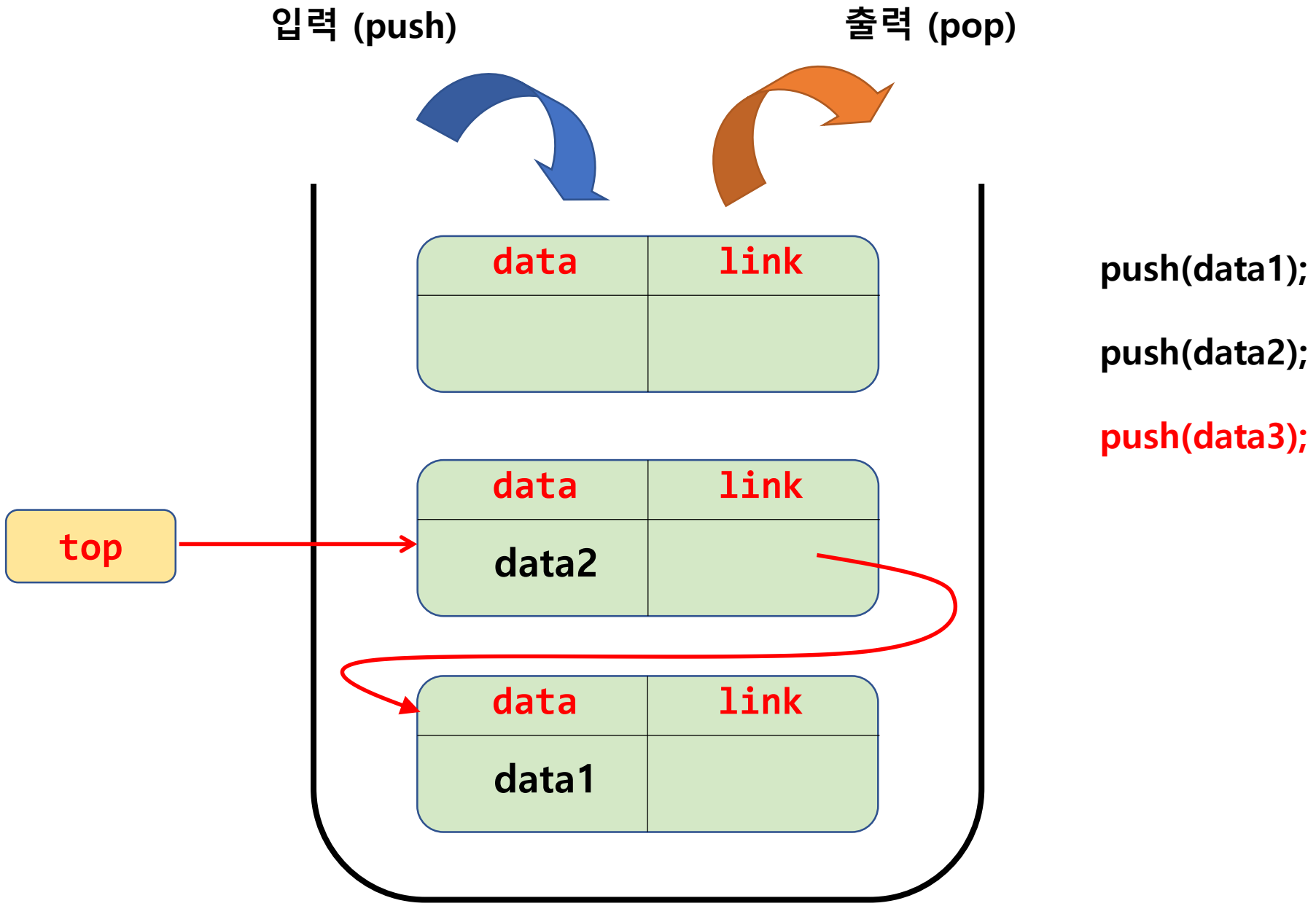
push(data1);

push(data2);

push(data3);

Data Struct

Stack



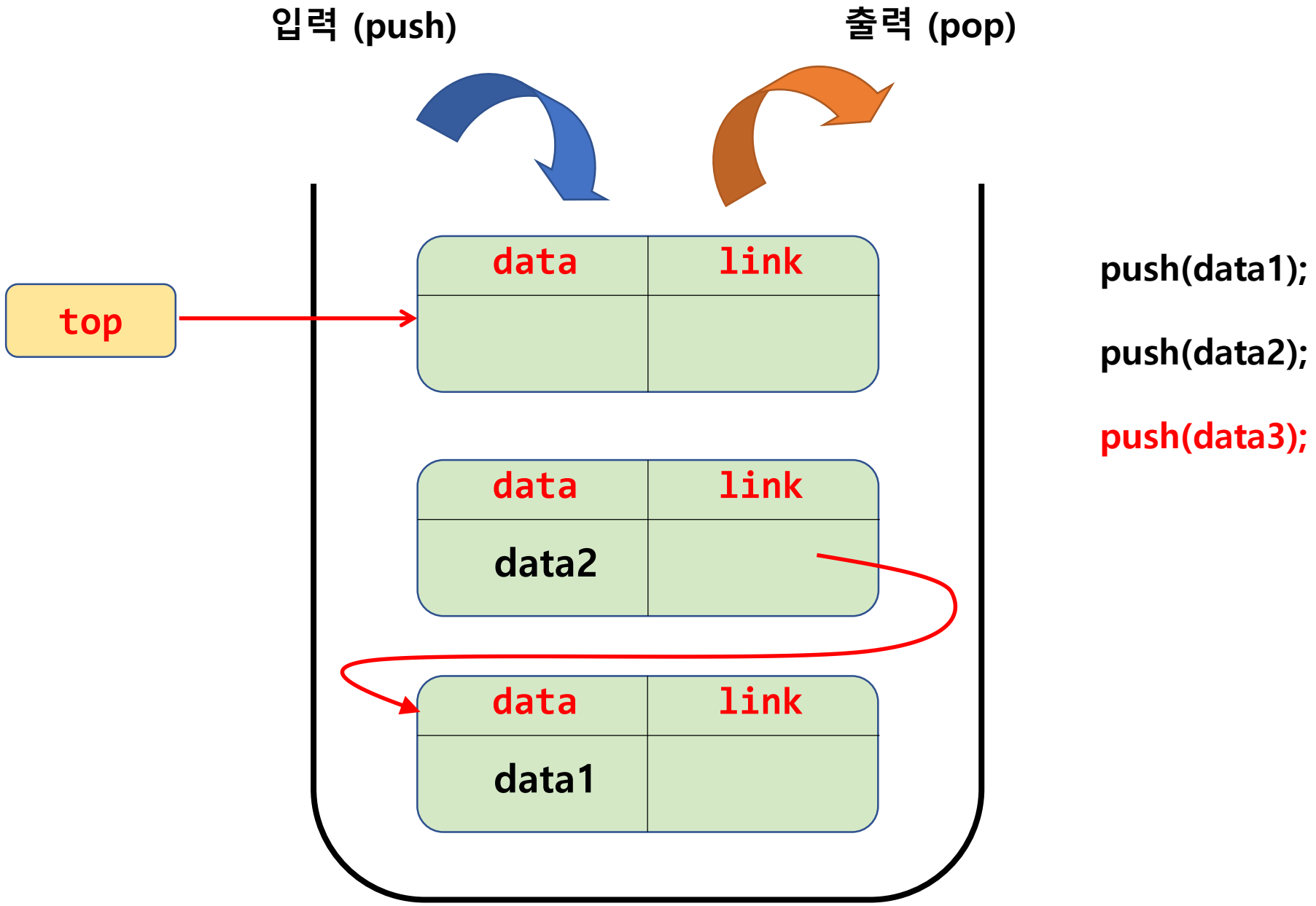
push(data1);

push(data2);

push(data3);

Data Struct

Stack



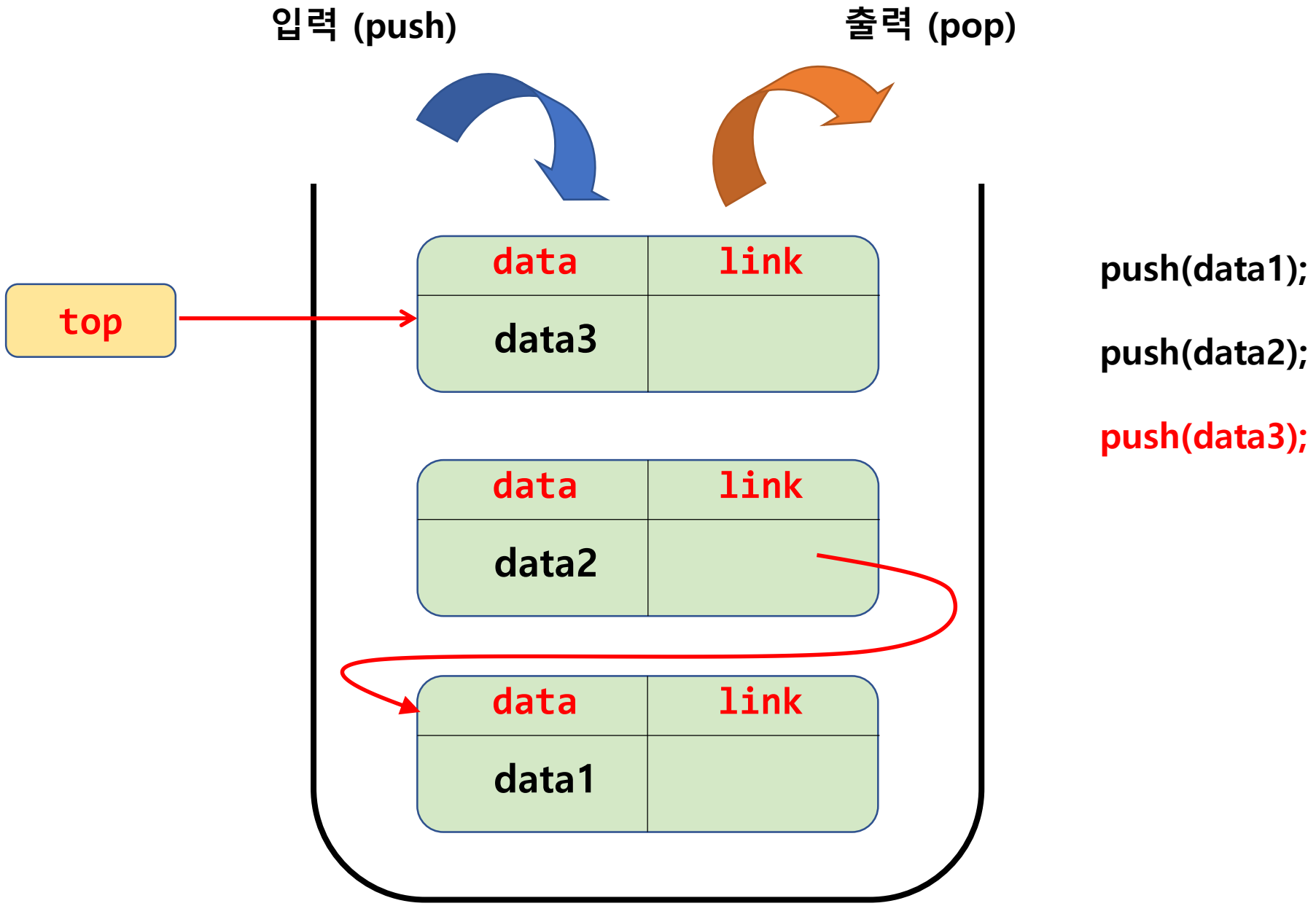
push(data1);

push(data2);

push(data3);

Data Struct

Stack



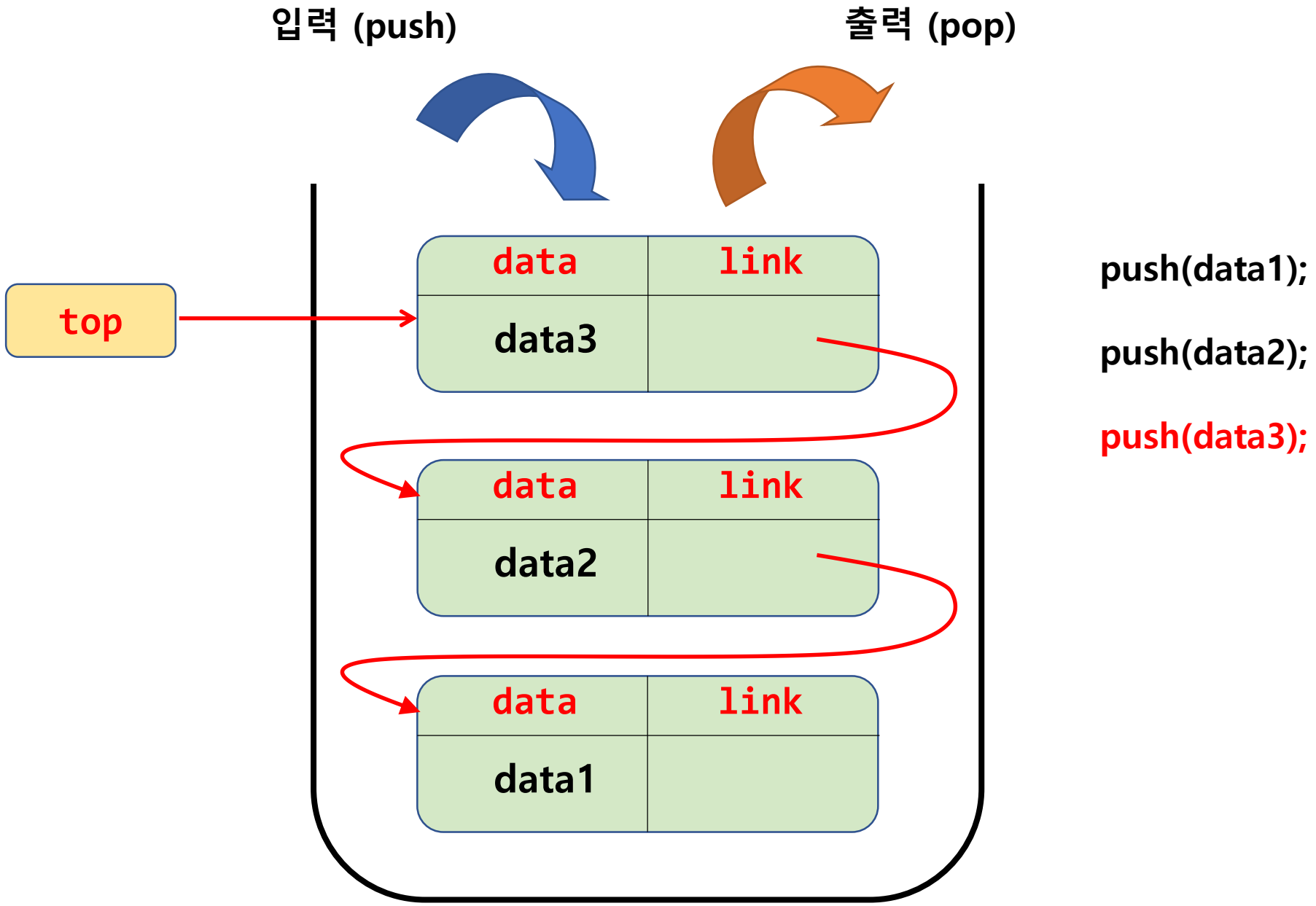
push(data1);

push(data2);

push(data3);

Data Struct

Stack



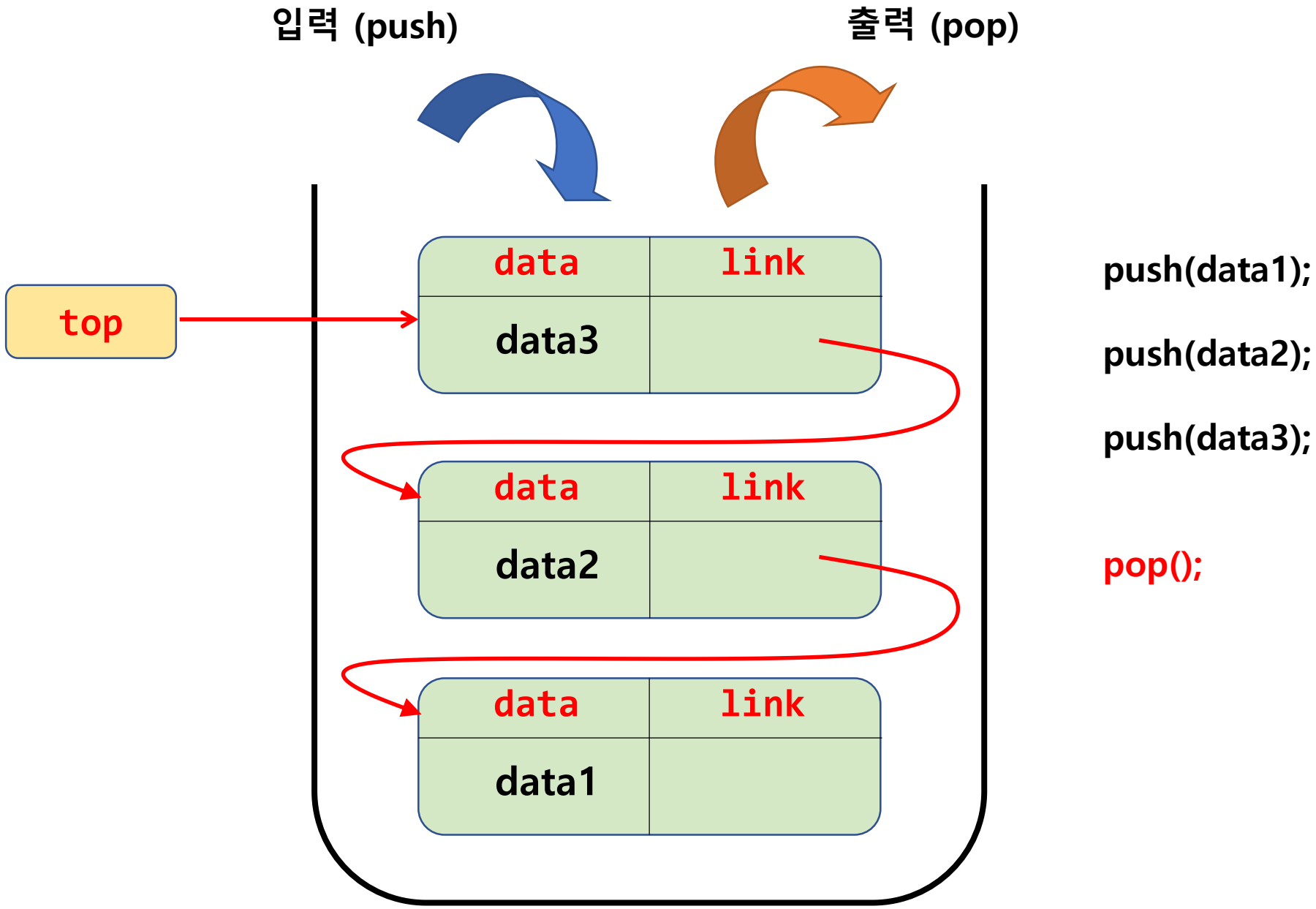
push(data1);

push(data2);

push(data3);

Data Struct

Stack



push(data1);

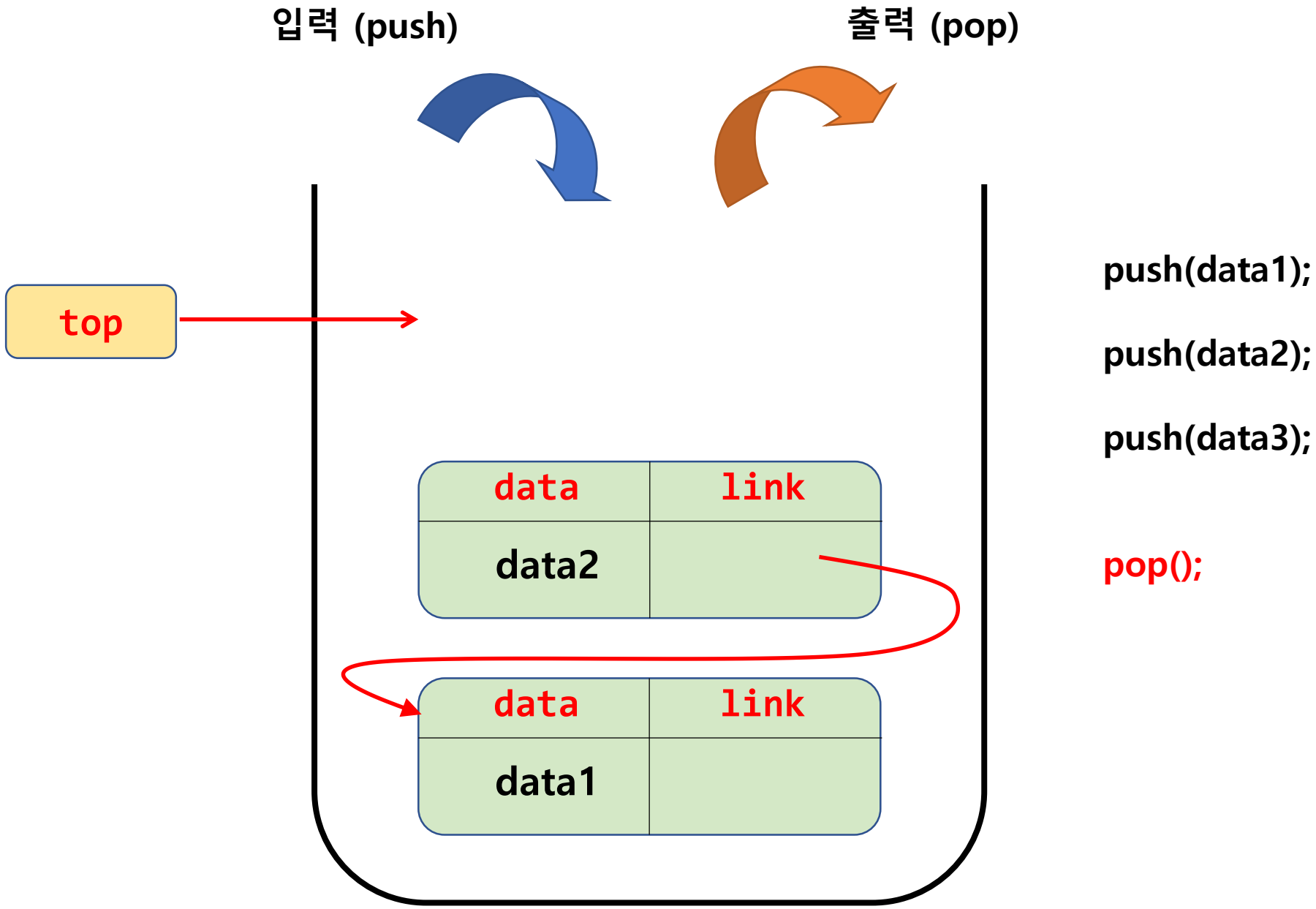
push(data2);

push(data3);

pop();

Data Struct

Stack



push(data1);

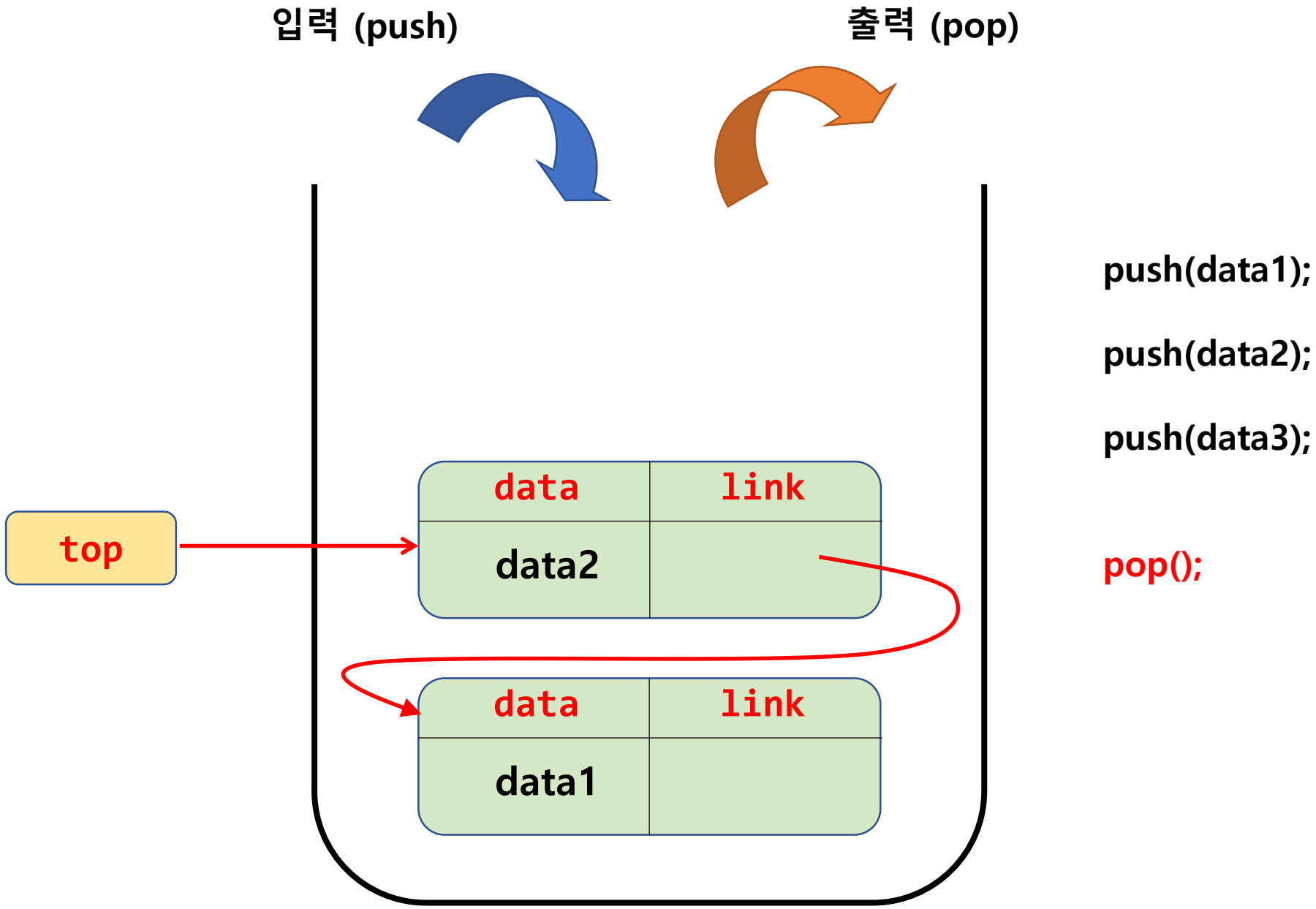
push(data2);

push(data3);

pop();

Data Struct

Stack



push(data1);

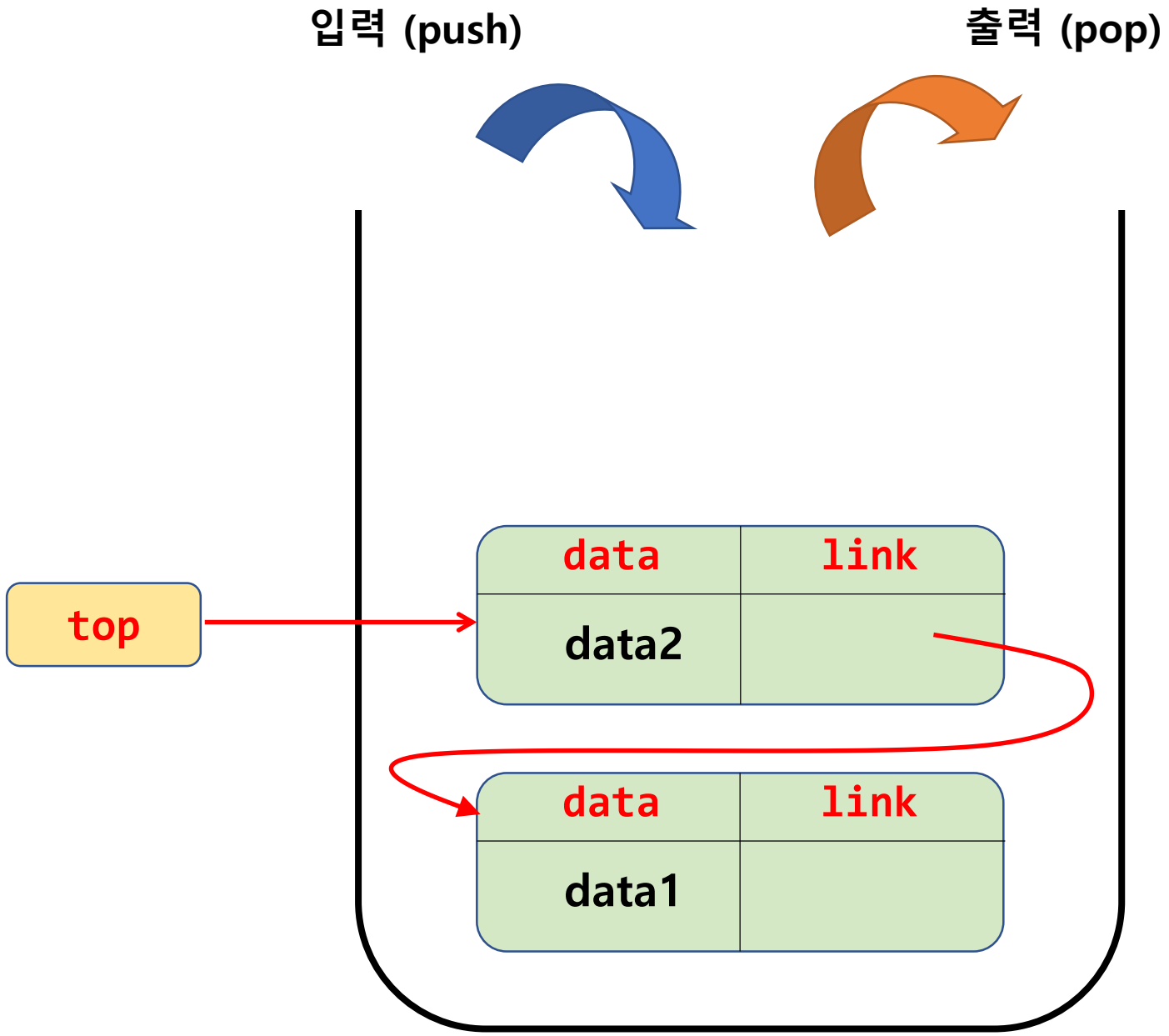
push(data2);

push(data3);

pop();

Data Struct

Stack



push(data1);

push(data2);

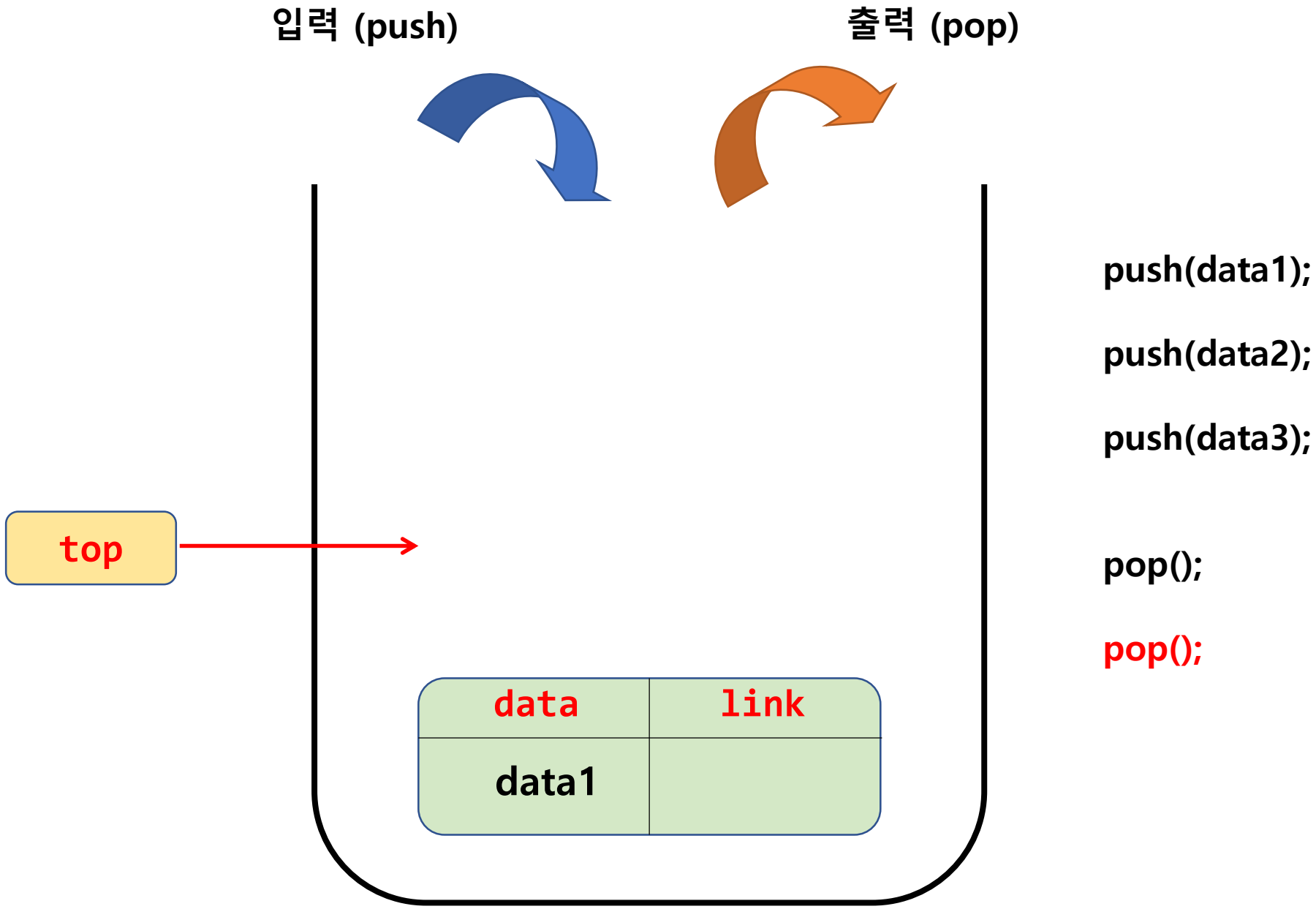
push(data3);

pop();

pop();

Data Struct

Stack



push(data1);

push(data2);

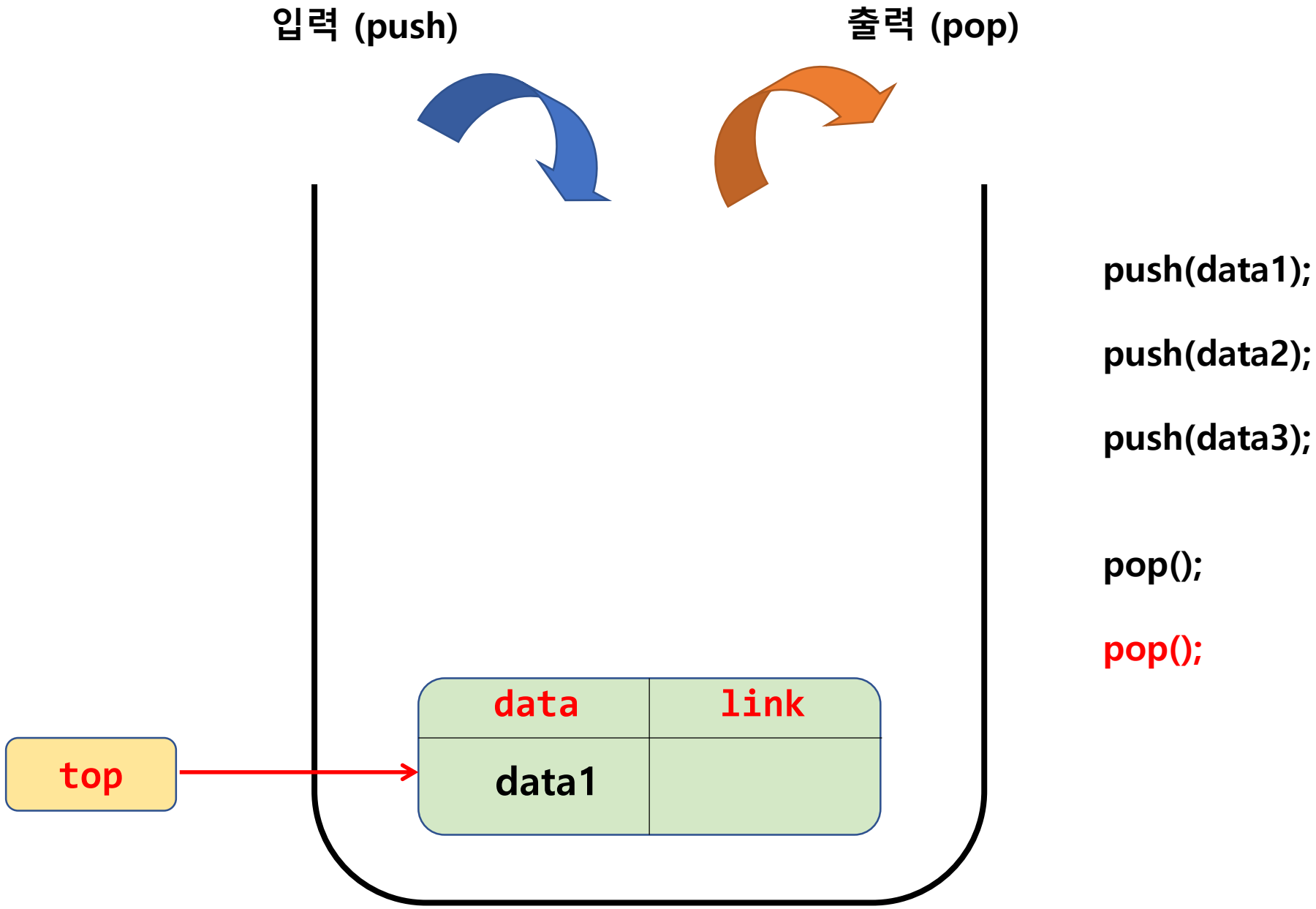
push(data3);

pop();

pop();

Data Struct

Stack



push(data1);

push(data2);

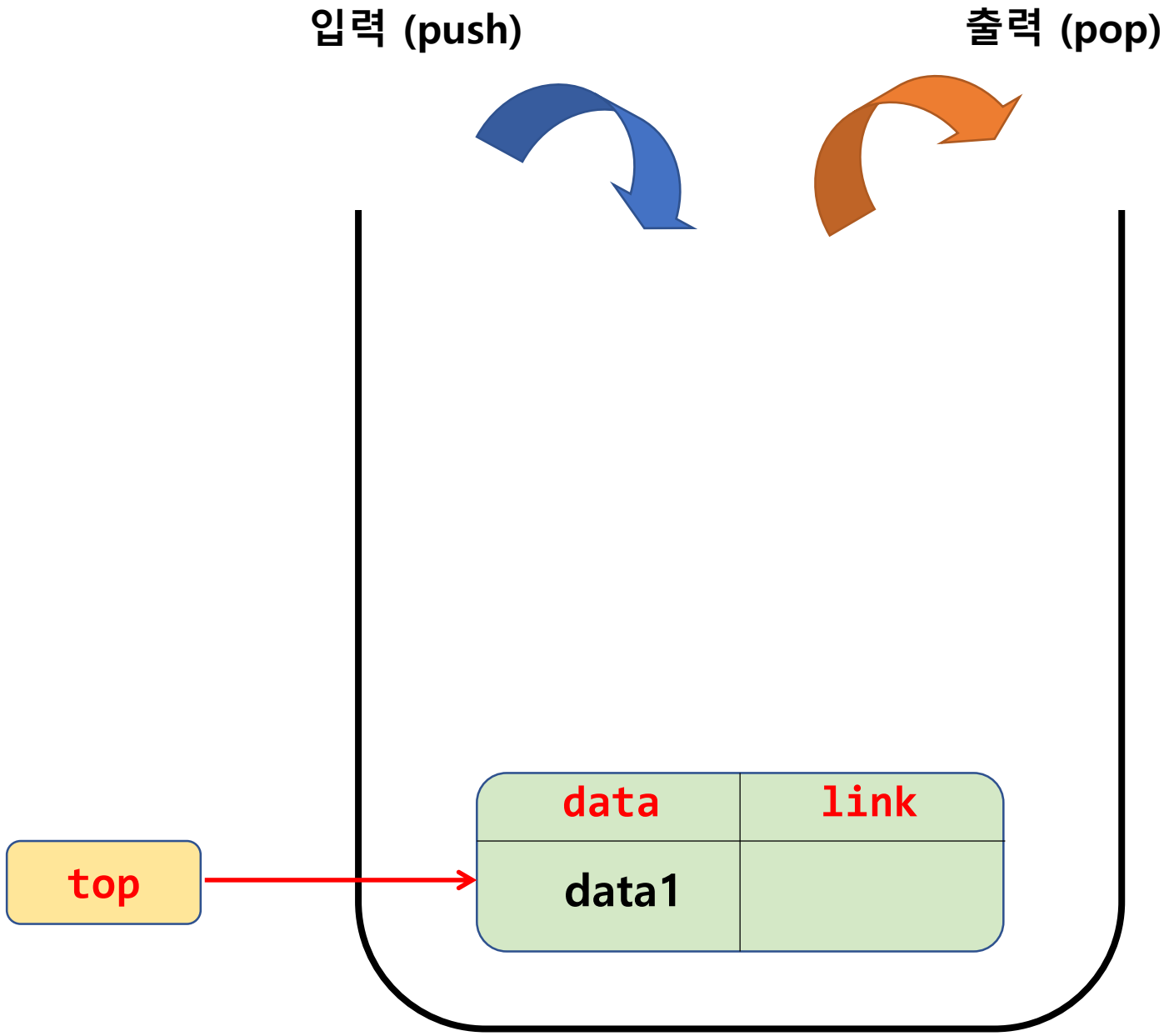
push(data3);

pop();

pop();

Data Struct

Stack



push(data1);

push(data2);

push(data3);

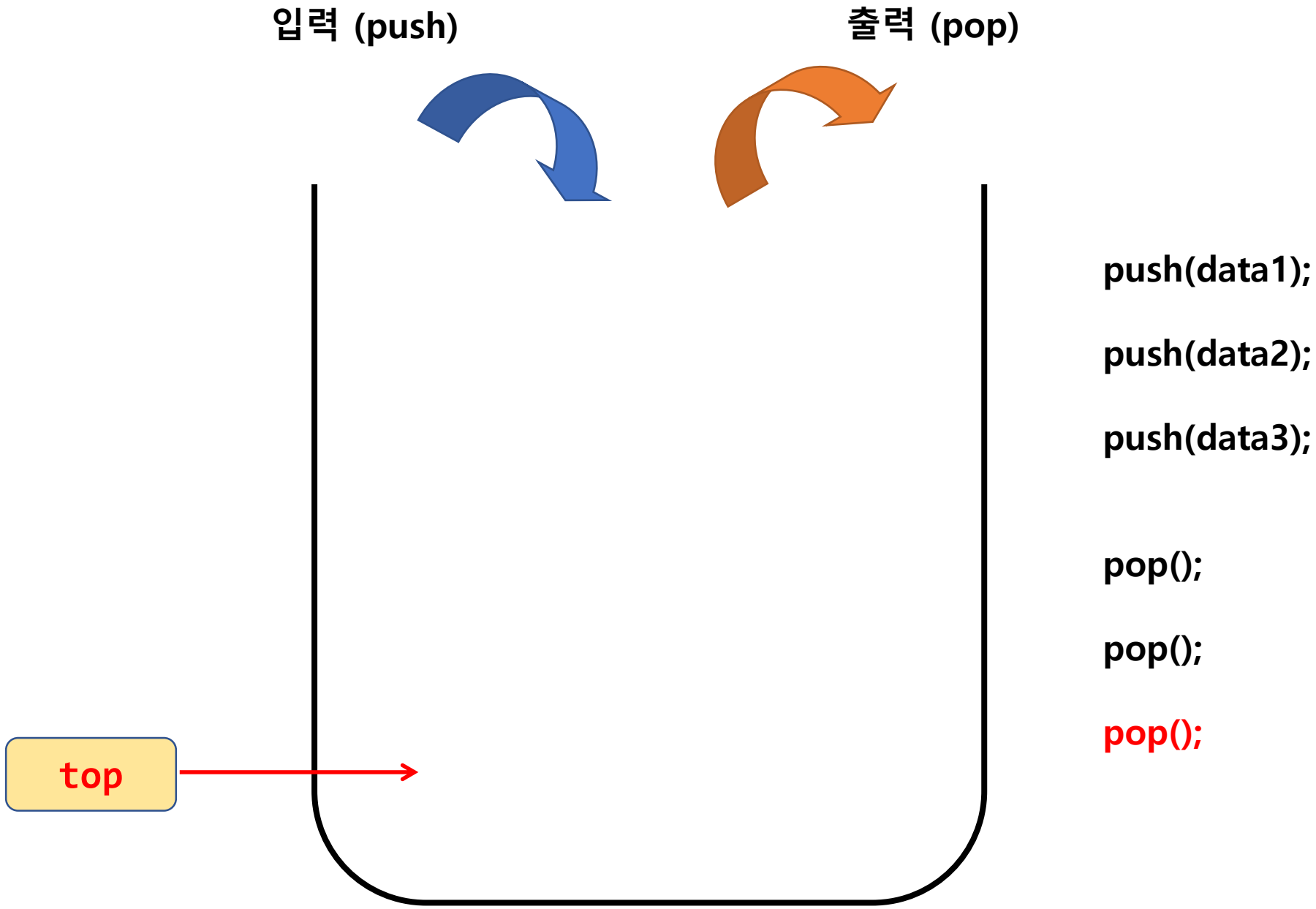
pop();

pop();

pop();

Data Struct

Stack



push(data1);

push(data2);

push(data3);

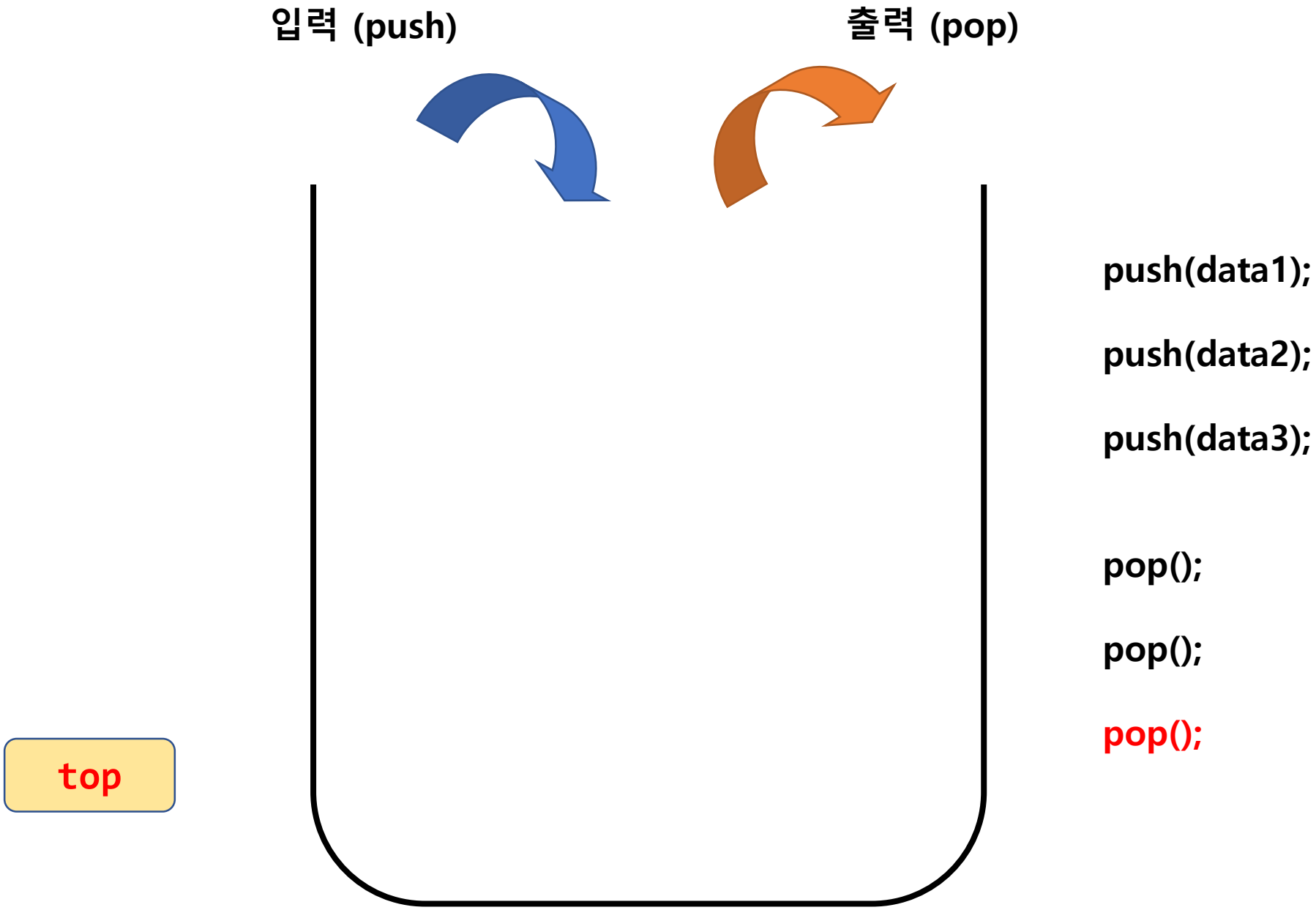
pop();

pop();

pop();

Data Struct

Stack



push(data1);

push(data2);

push(data3);

pop();

pop();

pop();

Data Struct

Stack

Stack 코드 분석 : push()

Data Struct

Stack

code)

```
Stack* top = NULL;
```

Stack (local variable, function)

main()

Heap (dynamic allocation)

Data Struct

Stack

code)

```
Stack* top = NULL;
```

Stack (local variable, function)

Heap (dynamic allocation)

*top

main()

0

Data Struct

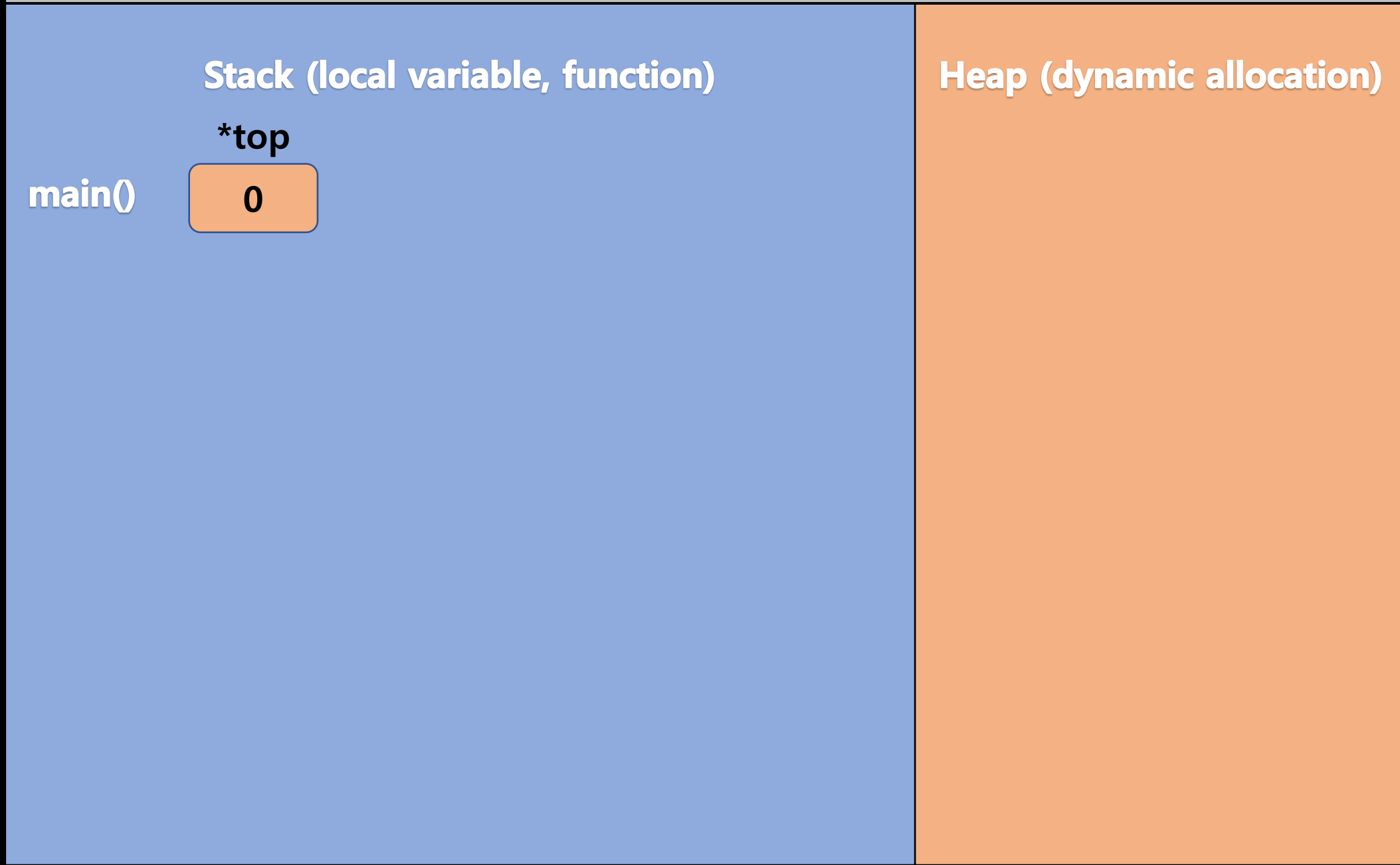
Stack

code)

```
push(&top, 10);
```

Stack (local variable, function)

Heap (dynamic allocation)



Data Struct

Stack

code)

```
push(&top, 10);
```

Stack (local variable, function)

Heap (dynamic allocation)

*top

main()

0

Data Struct

Stack

code)

```
push(&top, 10);
```

Stack (local variable, function)

Heap (dynamic allocation)

*top

main()

0

0x100

push()

Data Struct

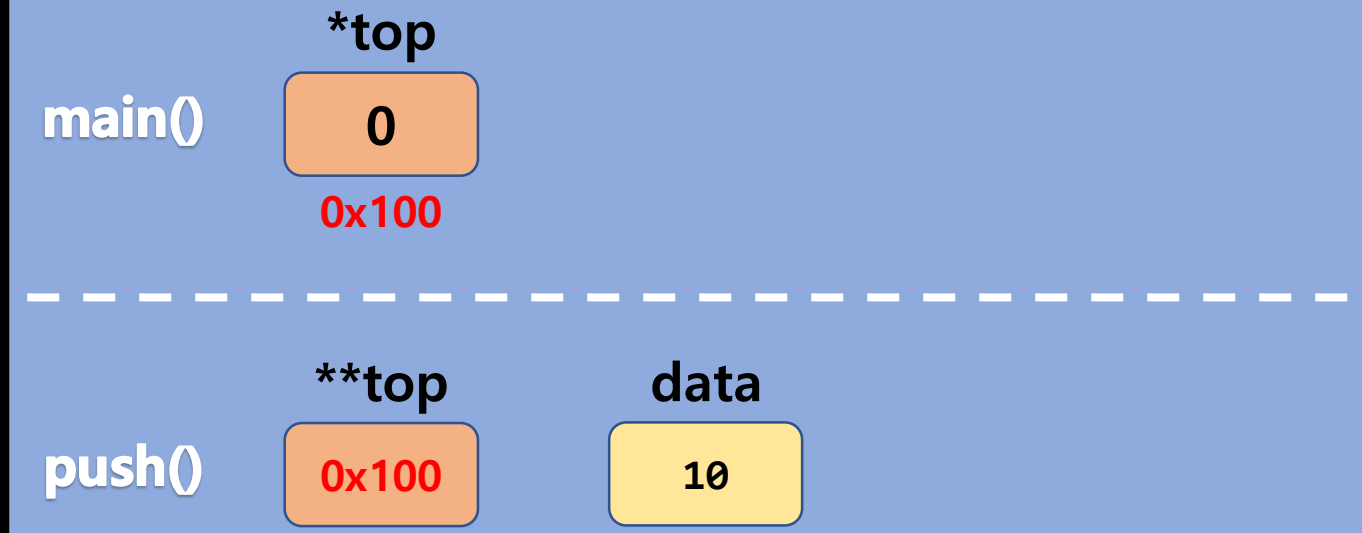
Stack

code)

```
push(&top, 10);
```

Stack (local variable, function)

Heap (dynamic allocation)

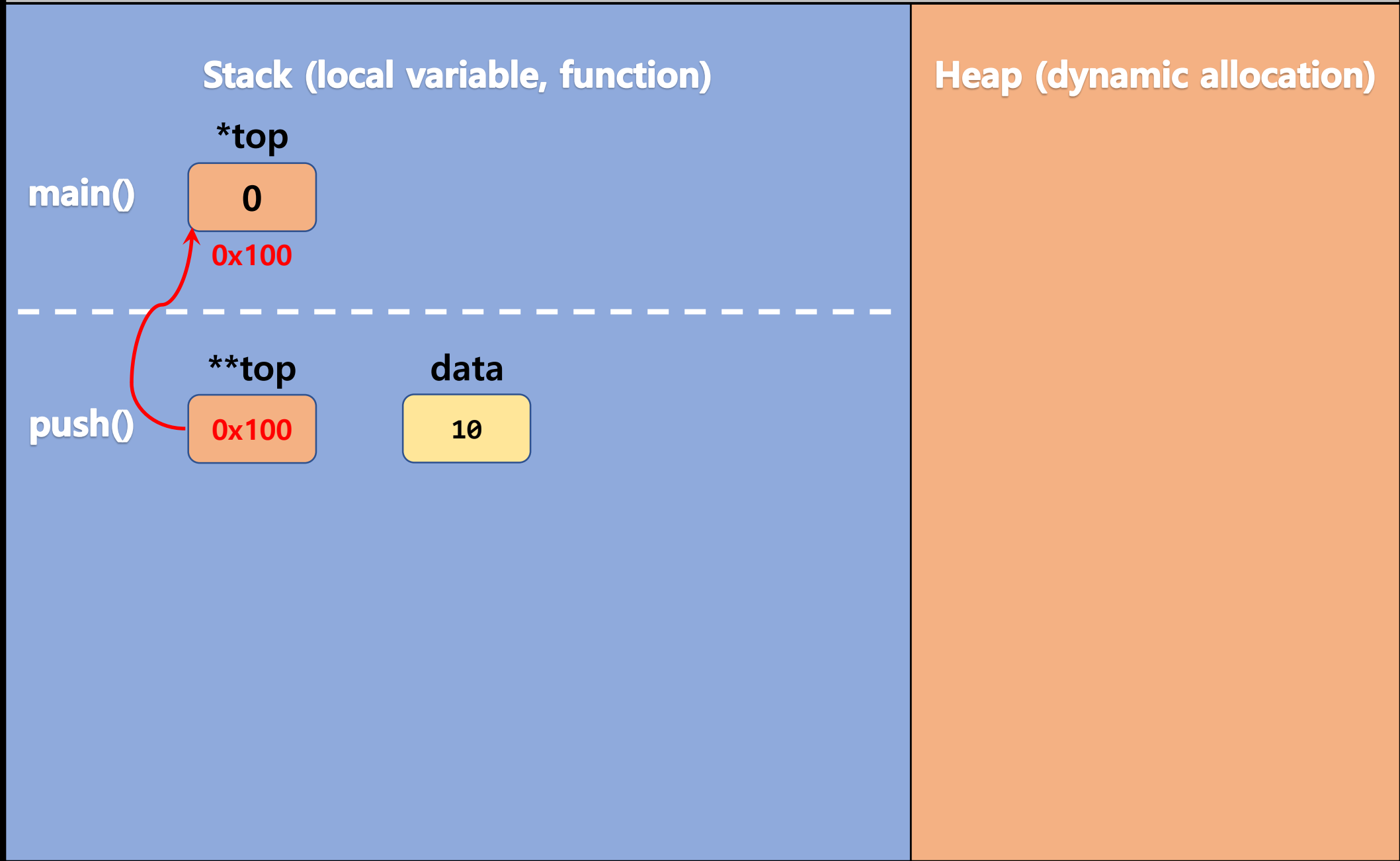


Data Struct

Stack

code)

```
push(&top, 10);
```

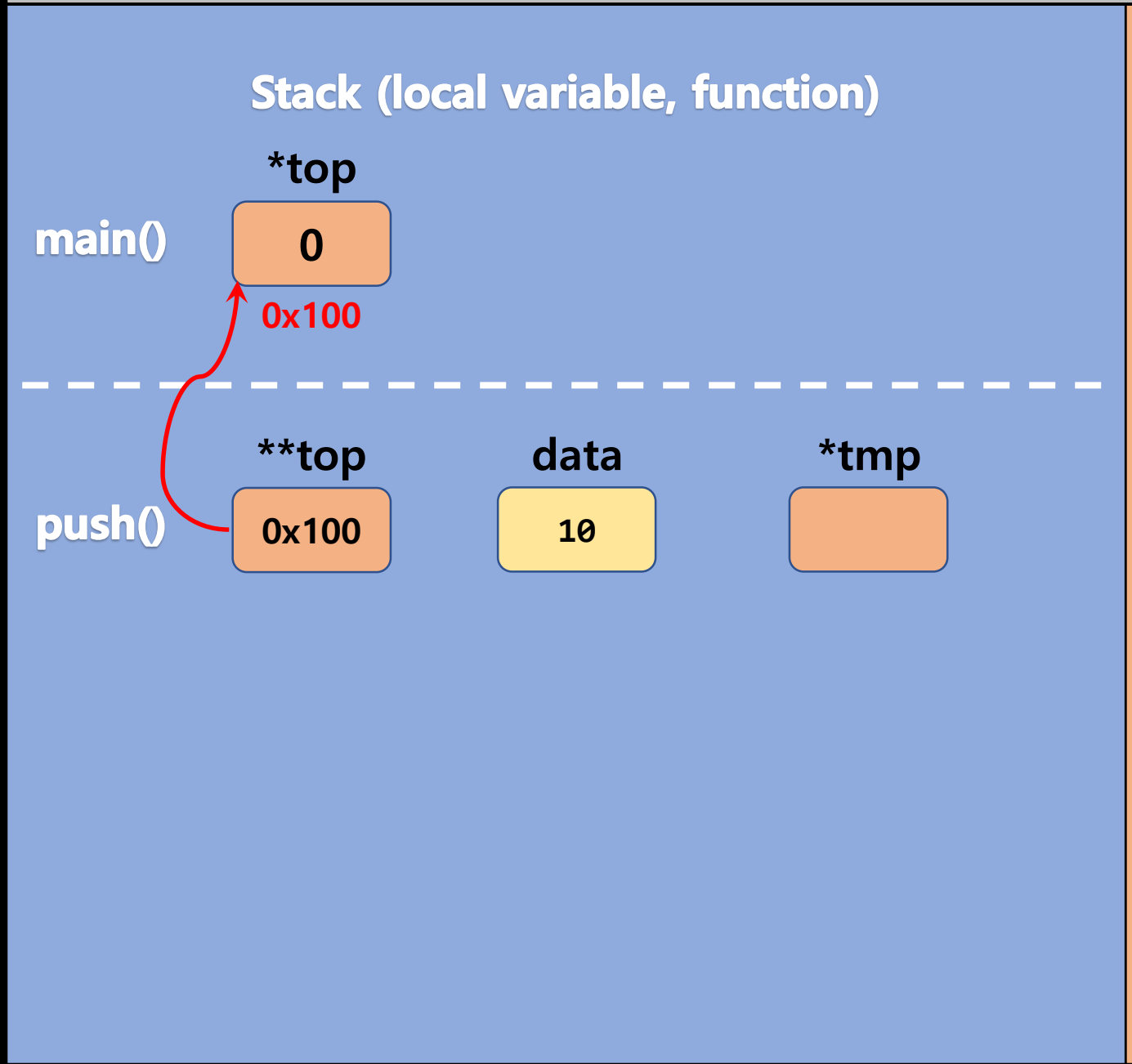


Data Struct

Stack

code)

```
Stack* tmp = *top;
```

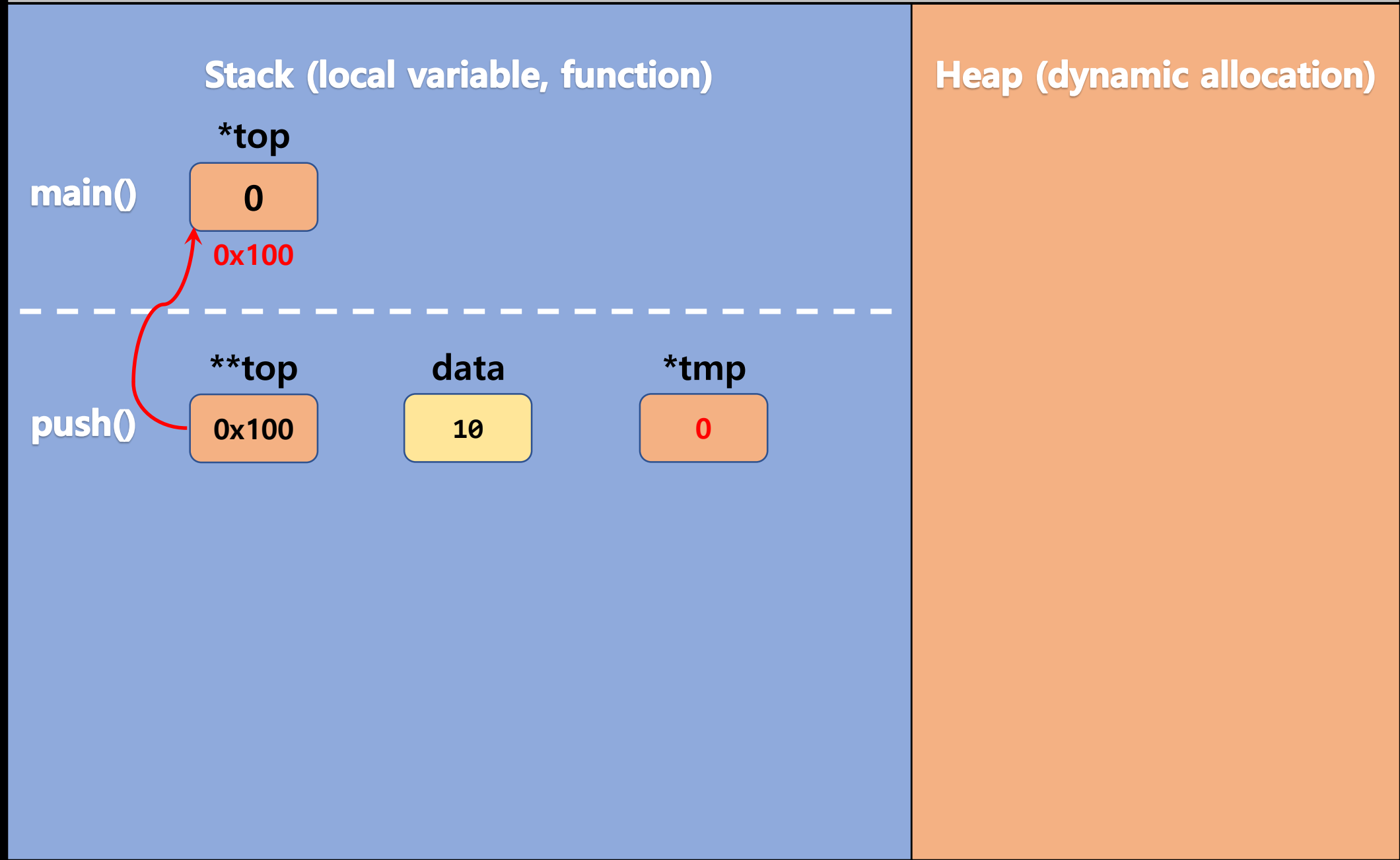


Data Struct

Stack

code)

```
Stack* tmp = *top;
```

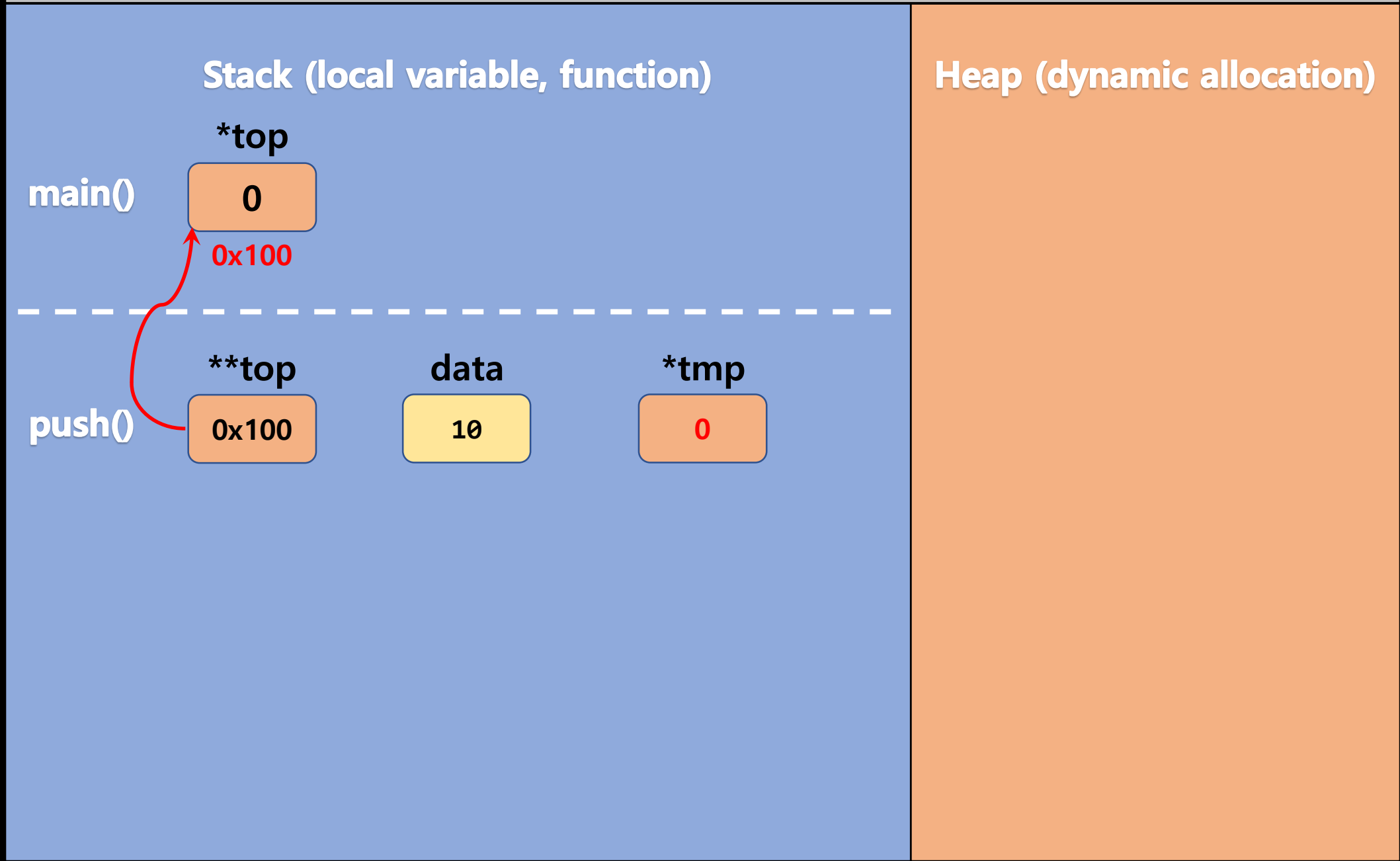


Data Struct

Stack

code)

```
*top = getNode();
```



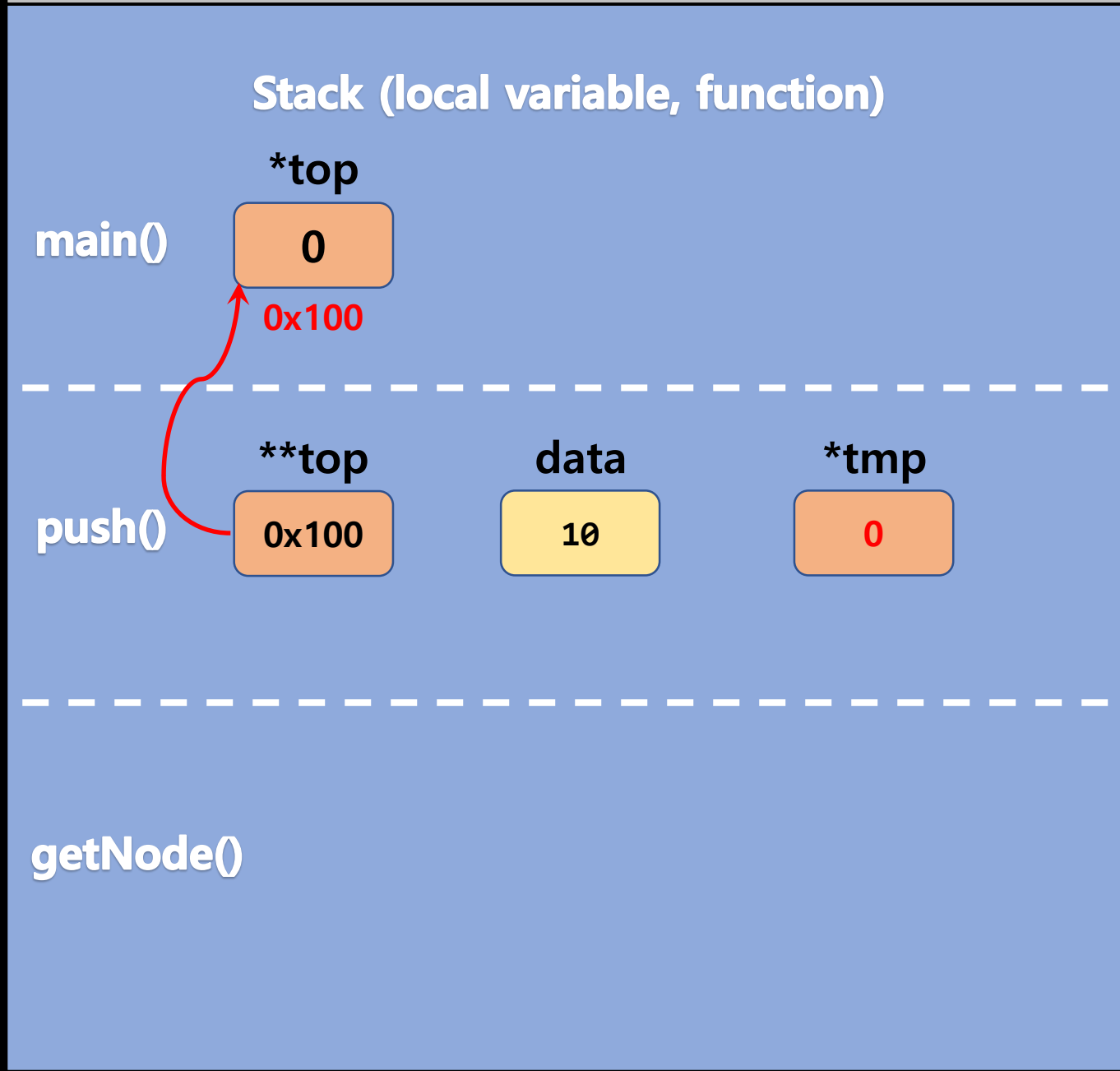
Data Struct

Stack

code) `*top = getNode();`

Stack (local variable, function)

Heap (dynamic allocation)

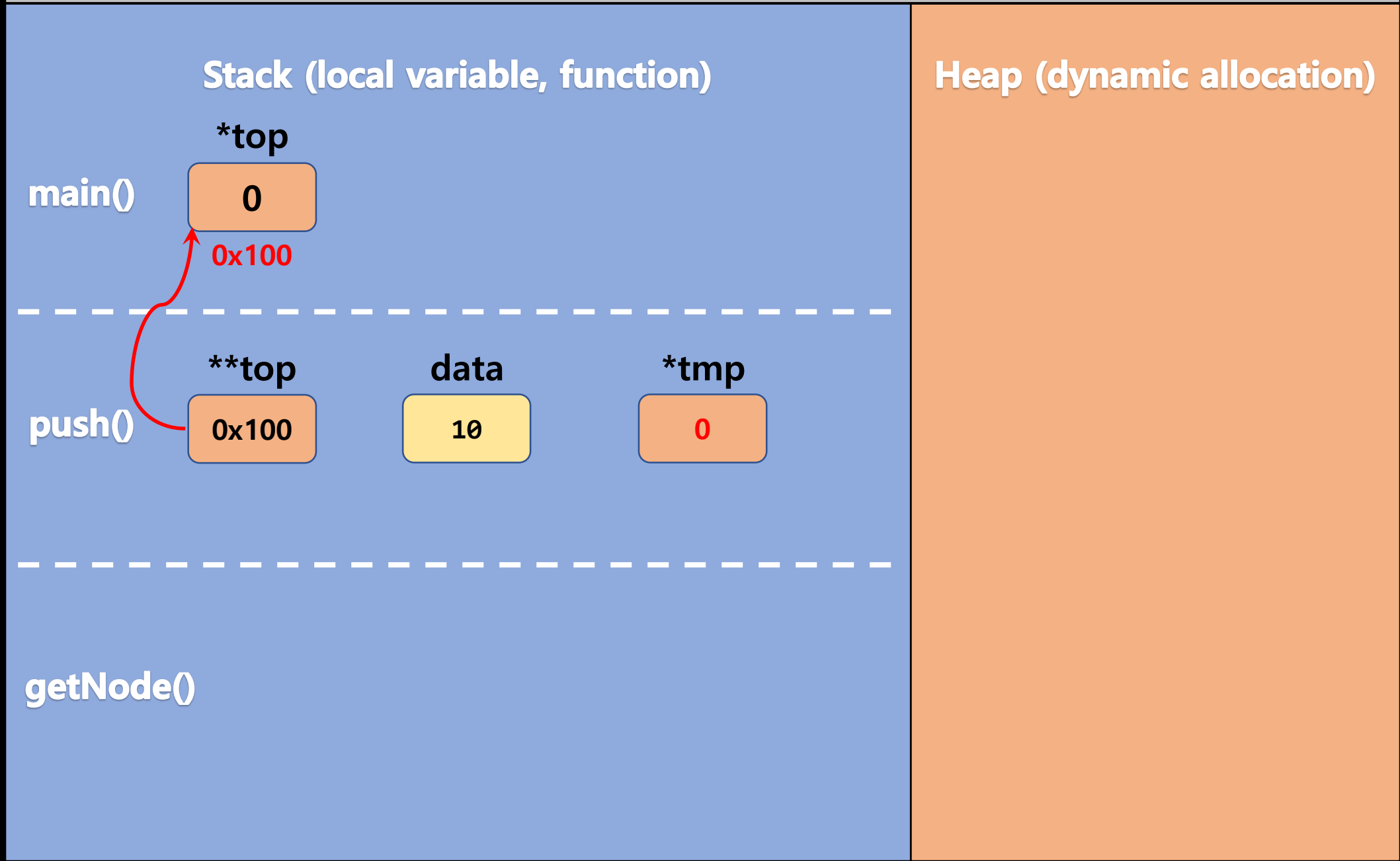


Data Struct

Stack

code)

```
Stack* newNode = (Stack*)malloc(sizeof(Stack));
```

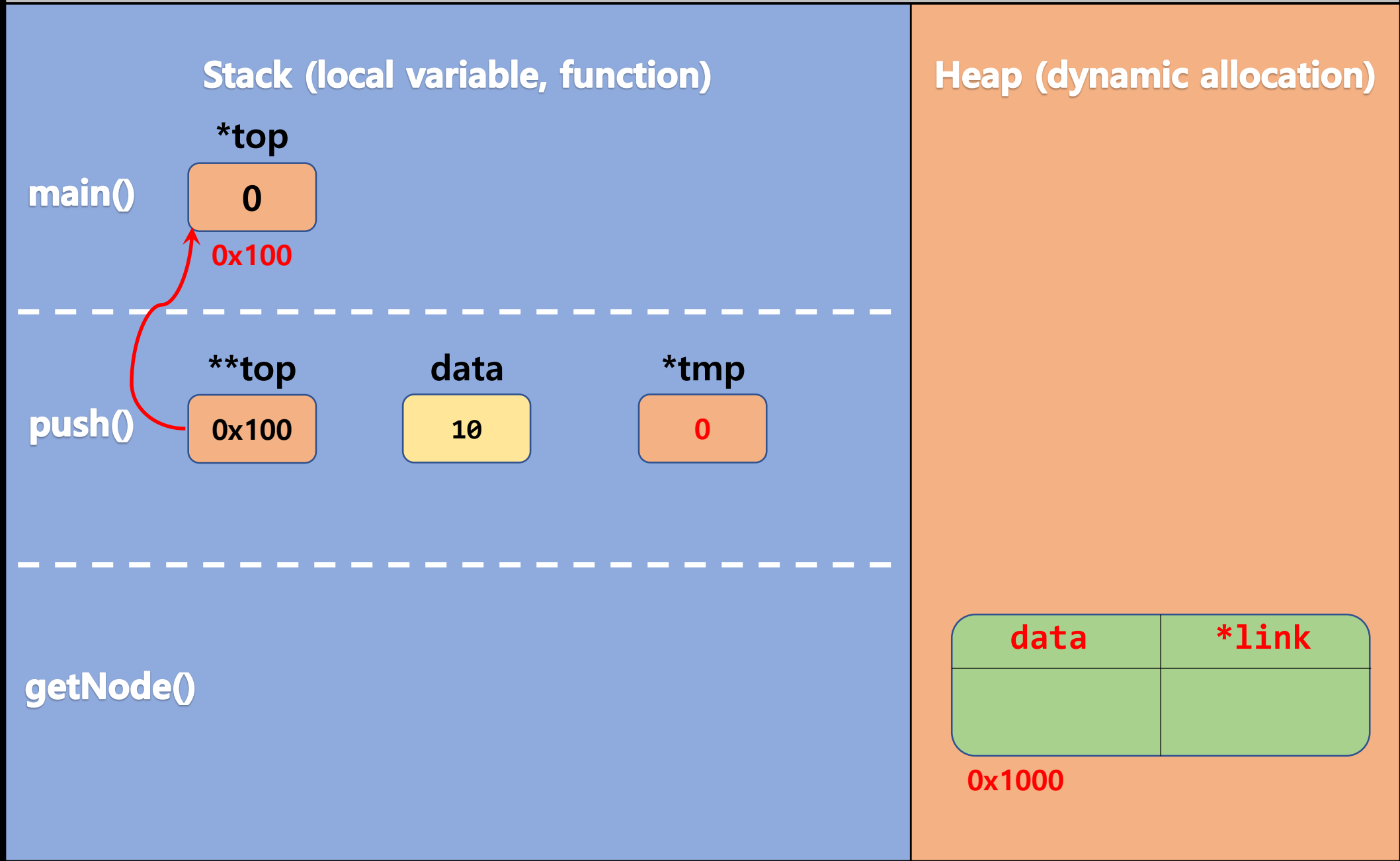


Data Struct

Stack

code)

```
Stack* newNode = (Stack*)malloc(sizeof(Stack));
```

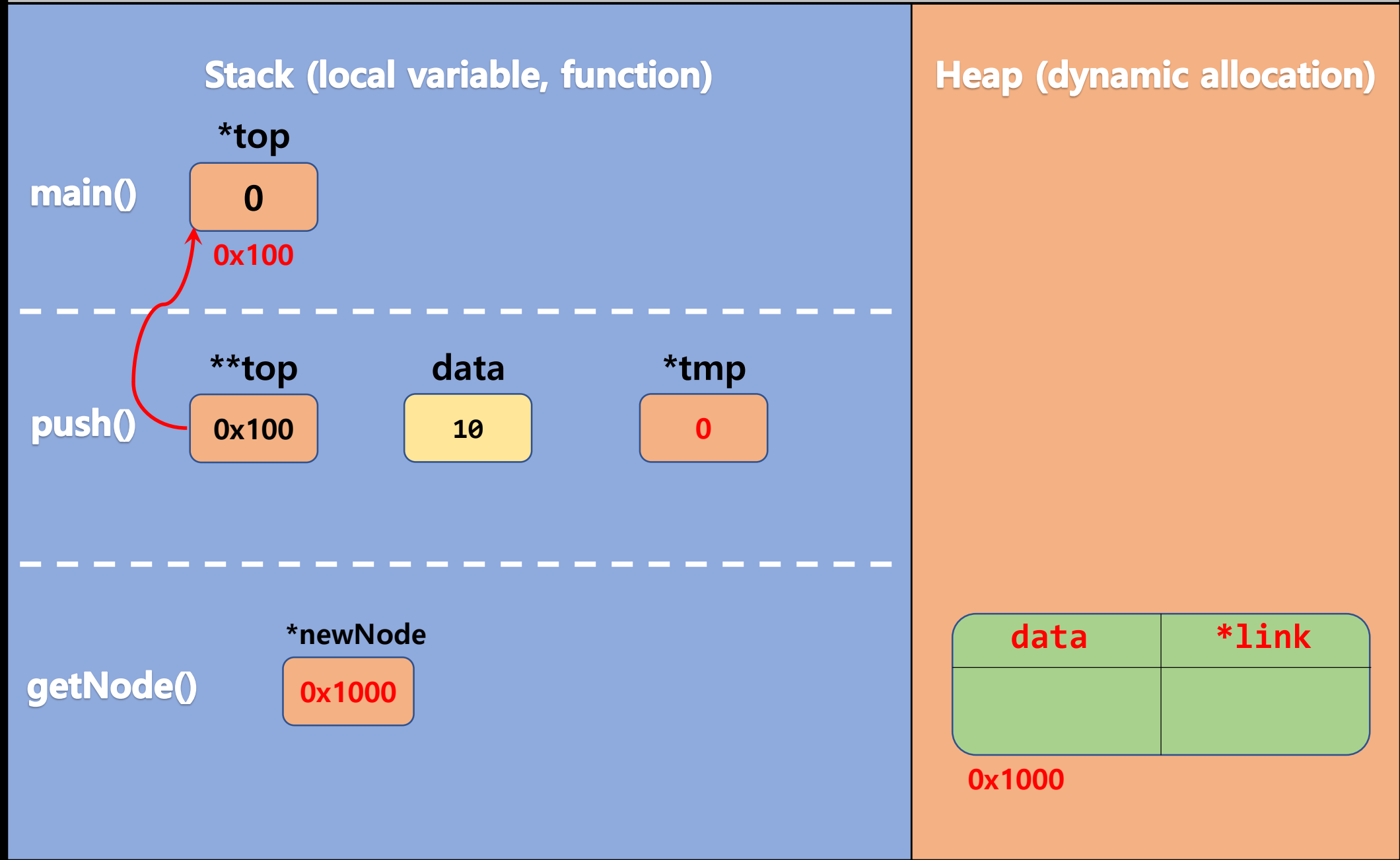


Data Struct

Stack

code)

```
Stack* newNode = (Stack*)malloc(sizeof(Stack));
```

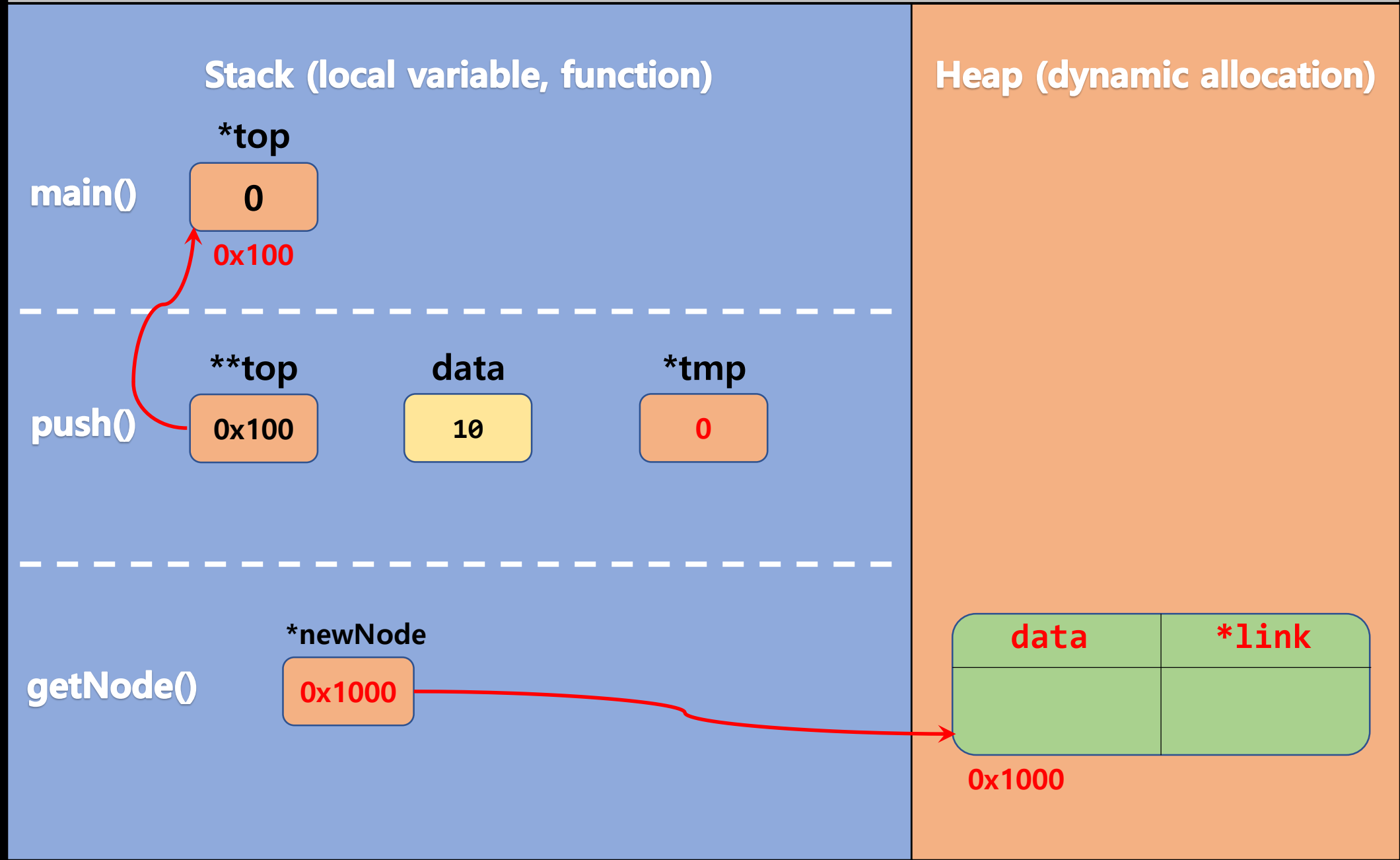


Data Struct

Stack

code)

```
Stack* newNode = (Stack*)malloc(sizeof(Stack));
```

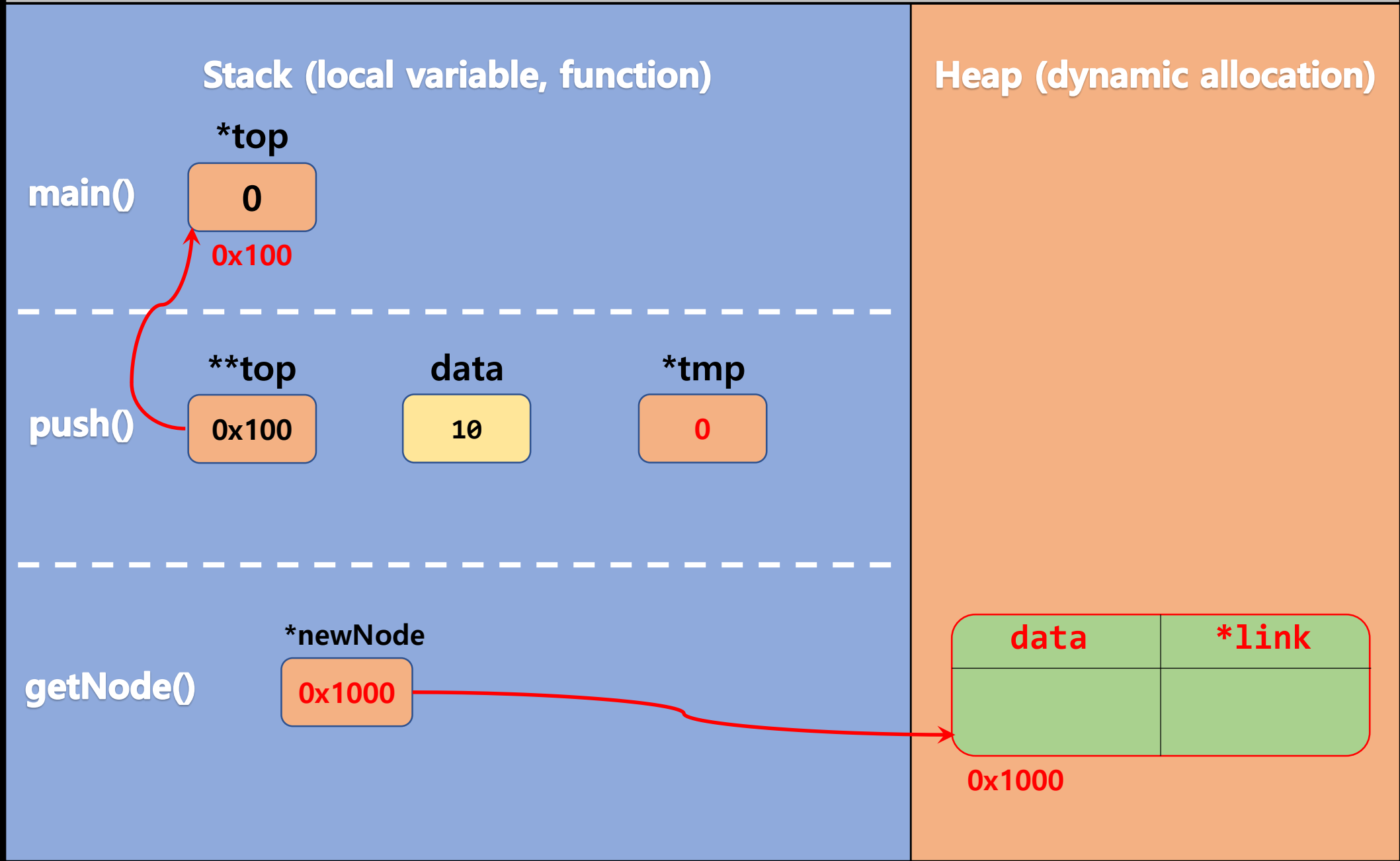


Data Struct

Stack

code)

```
newNode->link = NULL;
```

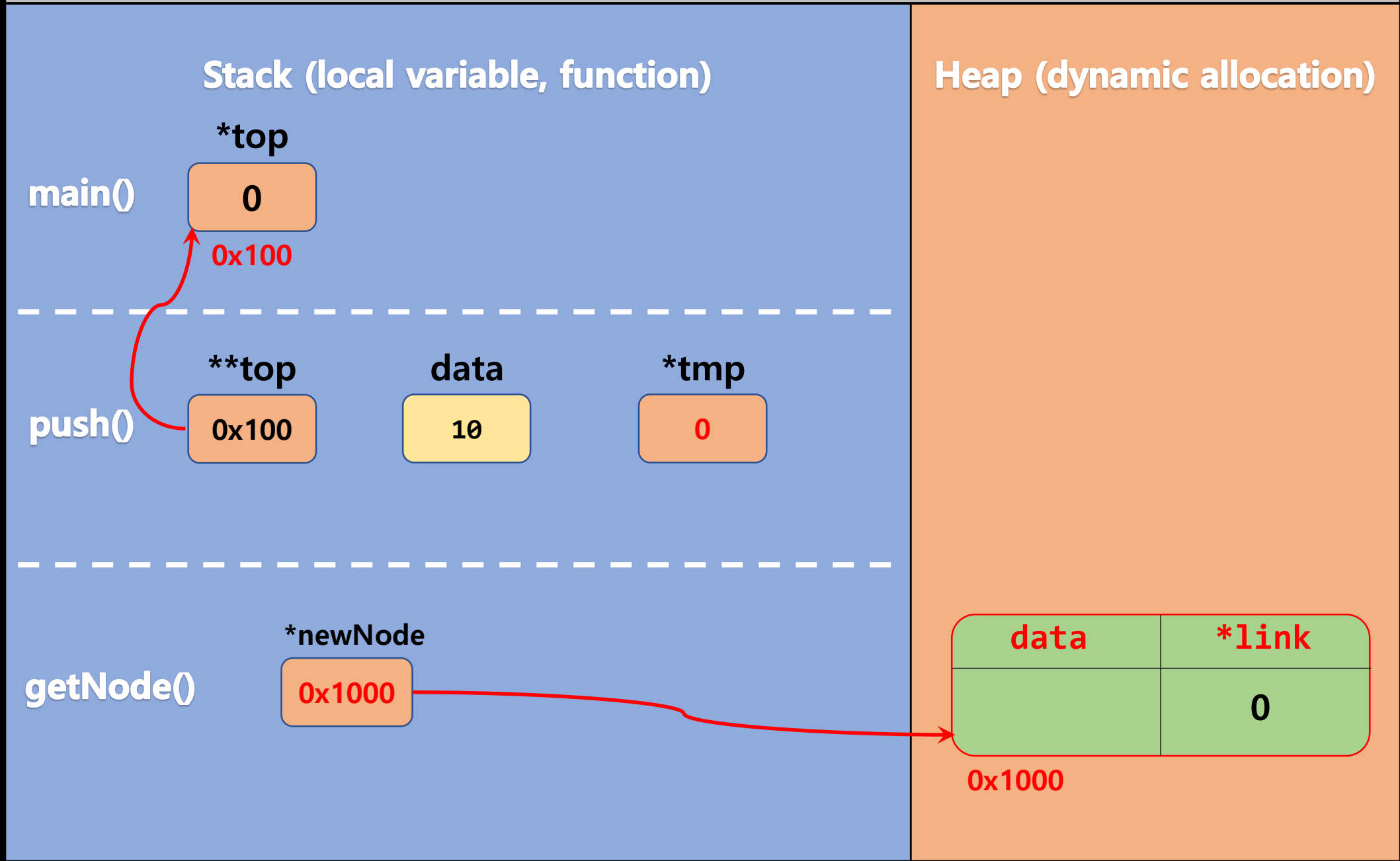


Data Struct

Stack

code)

```
newNode->link = NULL;
```

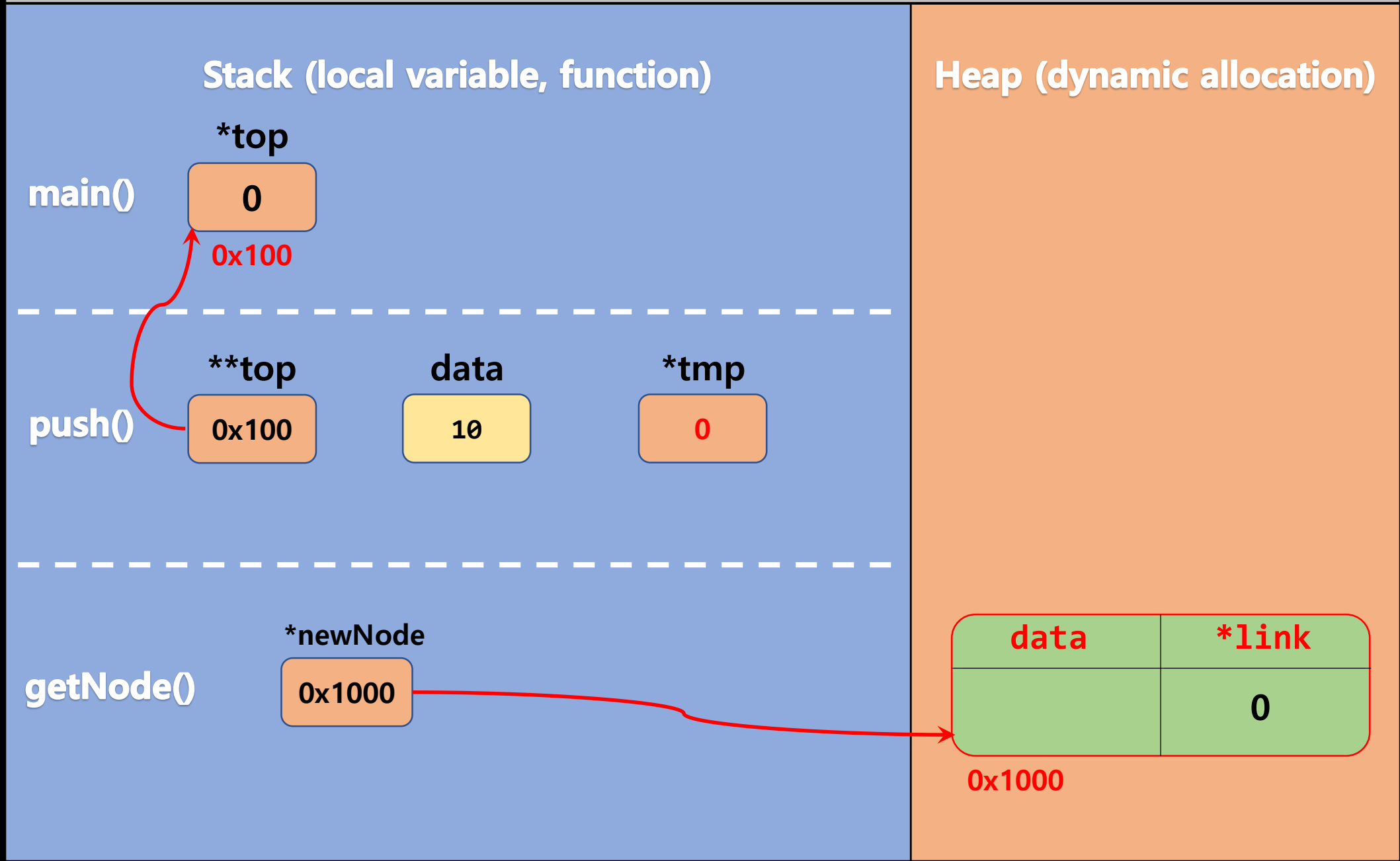


Data Struct

Stack

code)

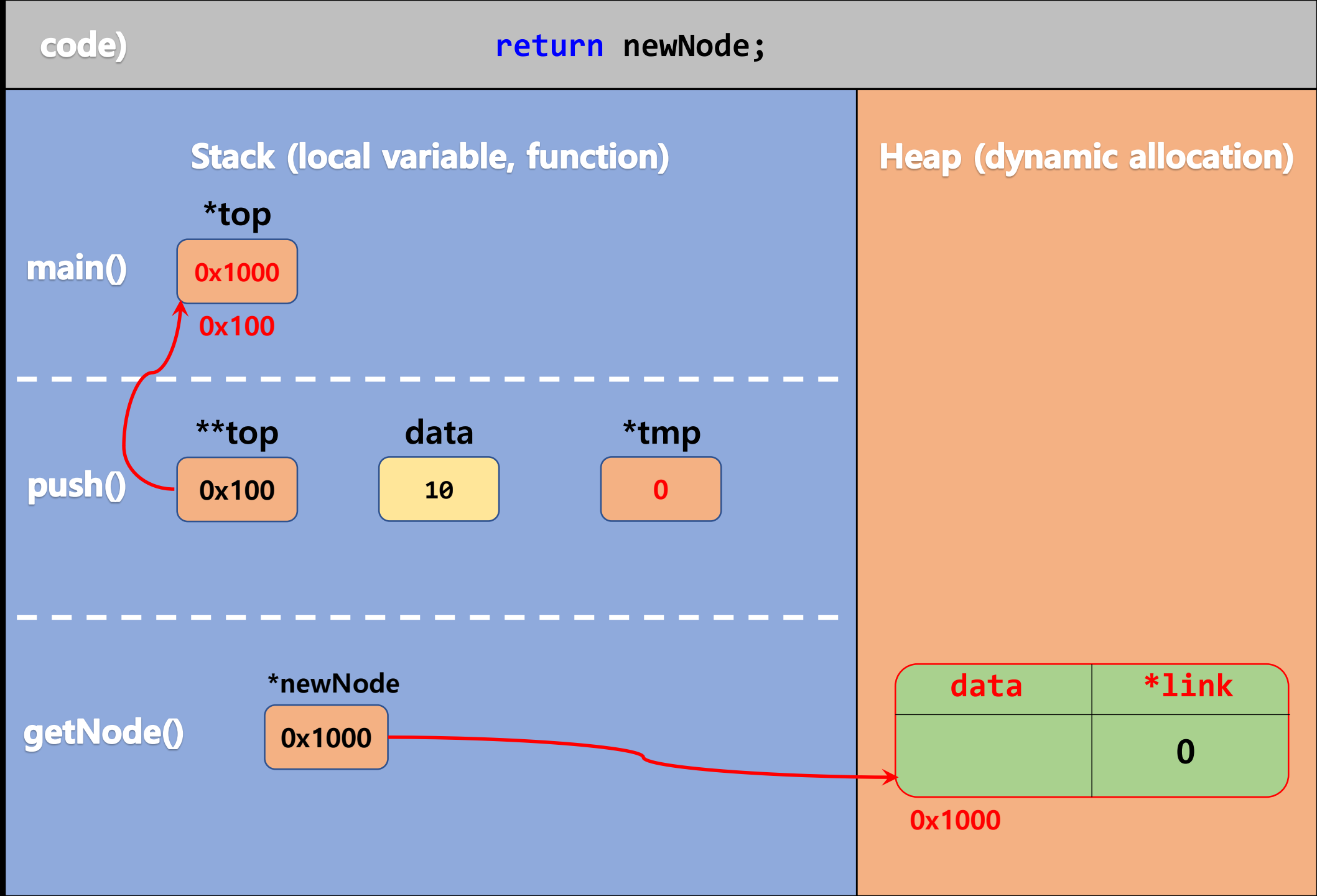
```
return newNode;
```



Data Struct

Stack

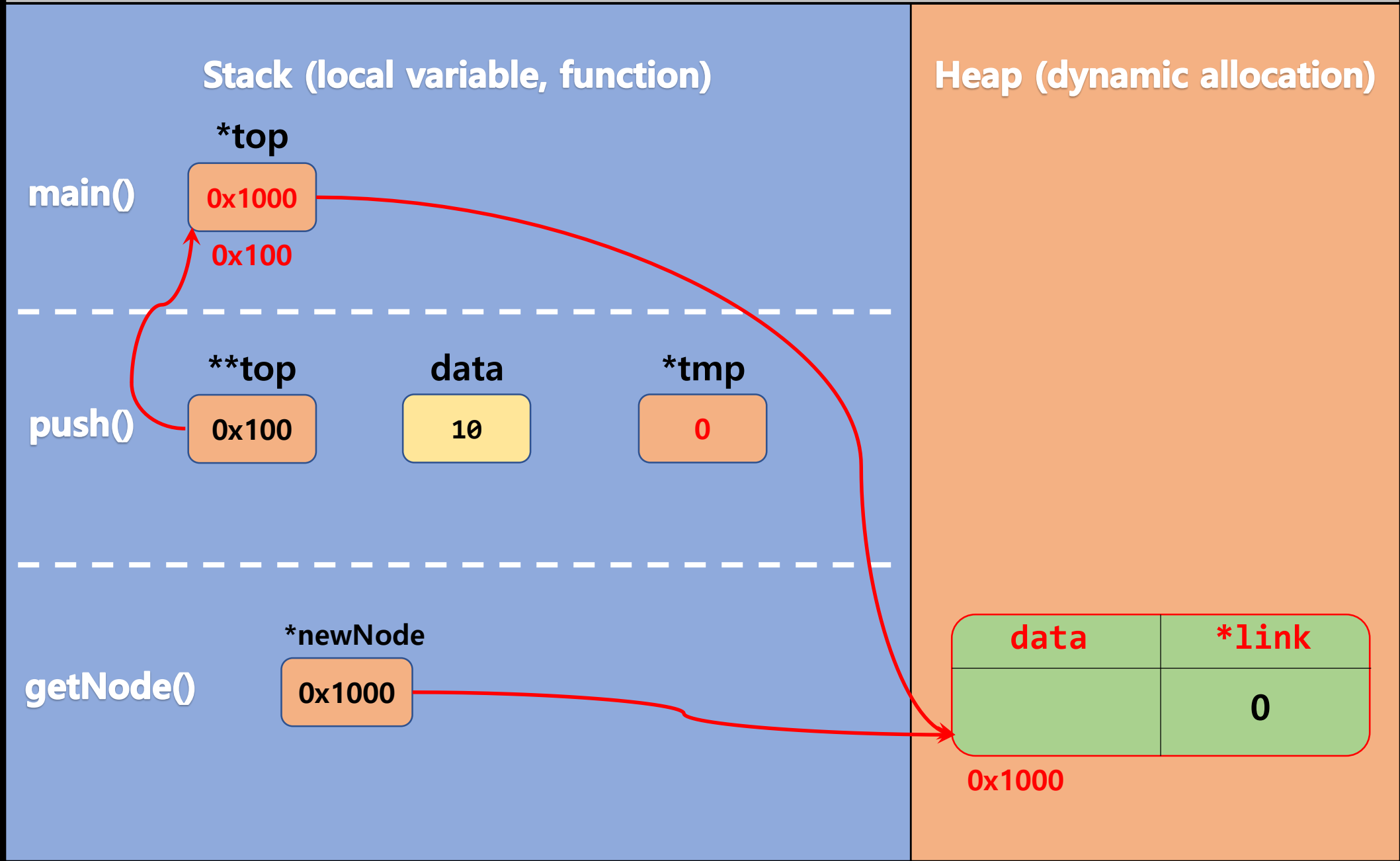
code) `return newNode;`



Data Struct

Stack

code) `return newNode;`

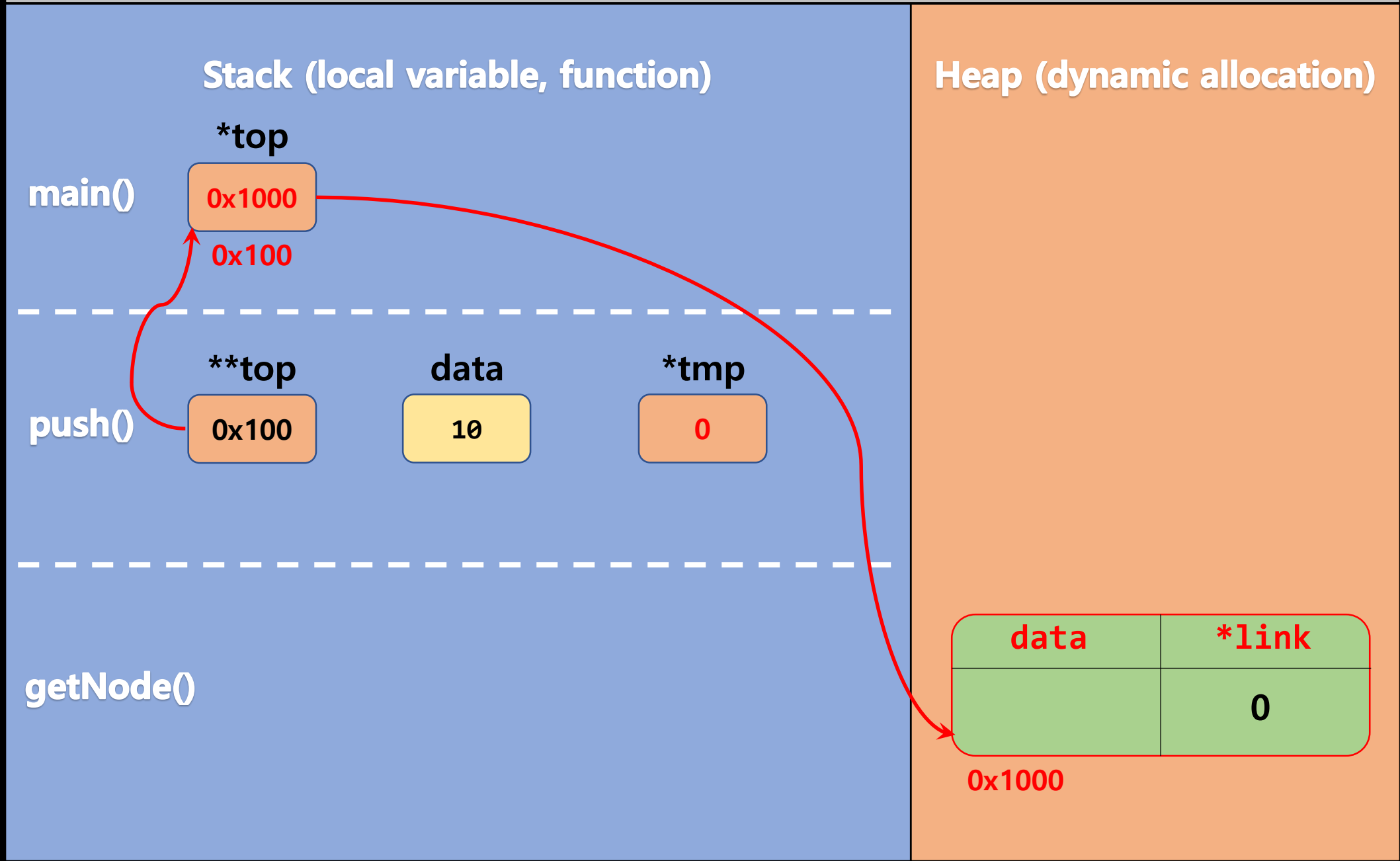


Data Struct

Stack

code)

```
return newNode;
```

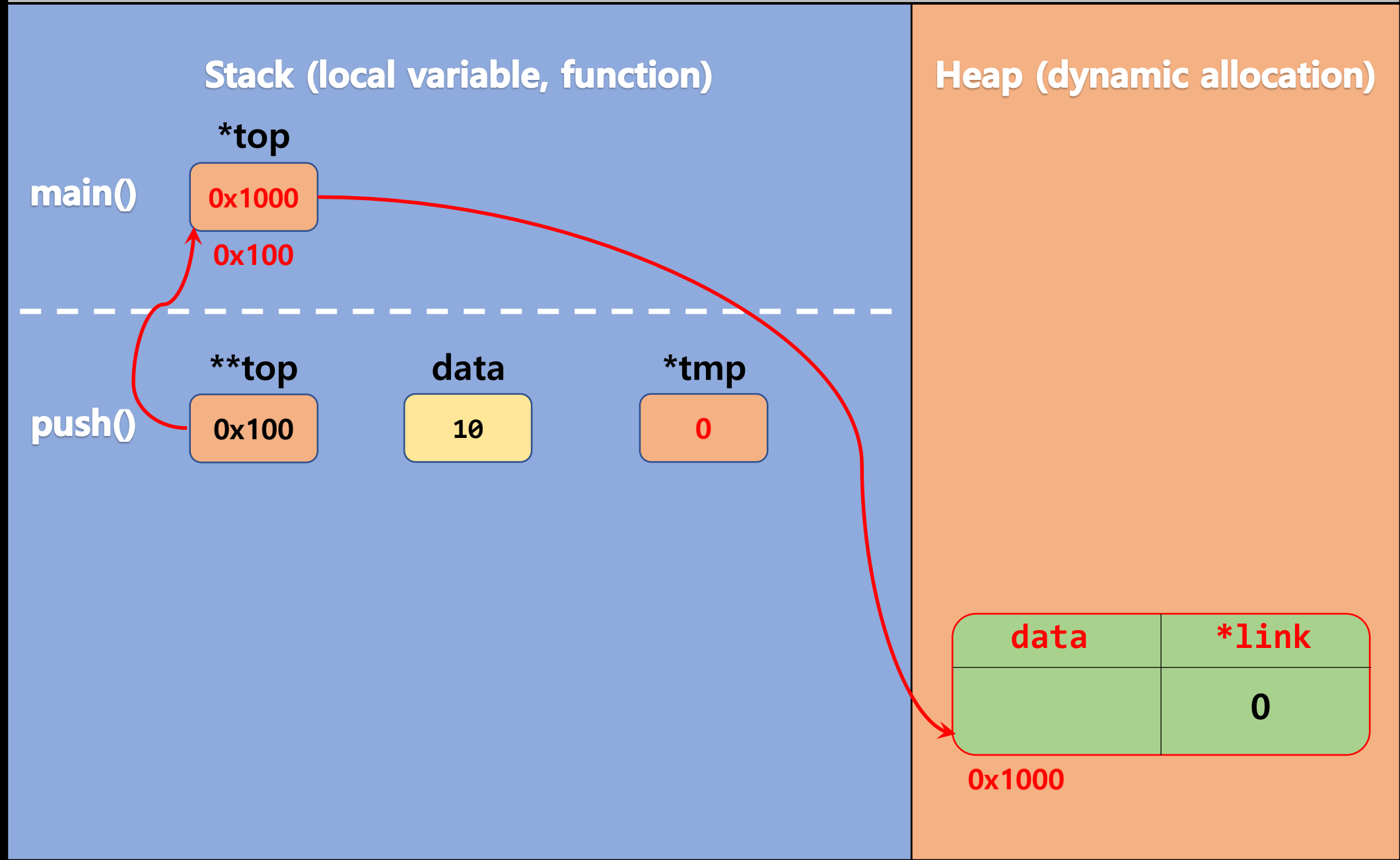


Data Struct

Stack

code)

```
return newNode;
```

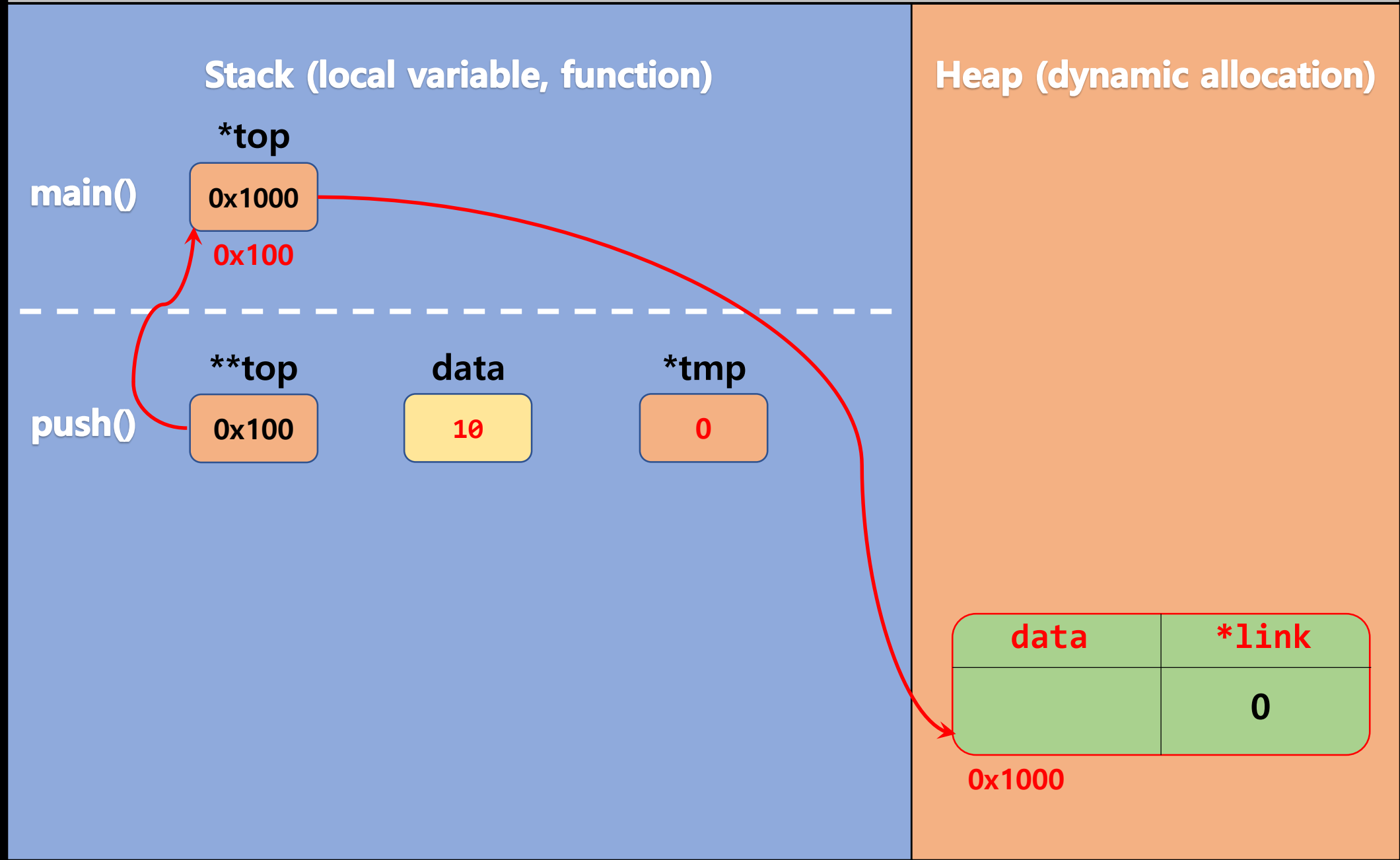


Data Struct

Stack

code)

```
(*top)->data = data;
```



Data Struct

Stack

code)

```
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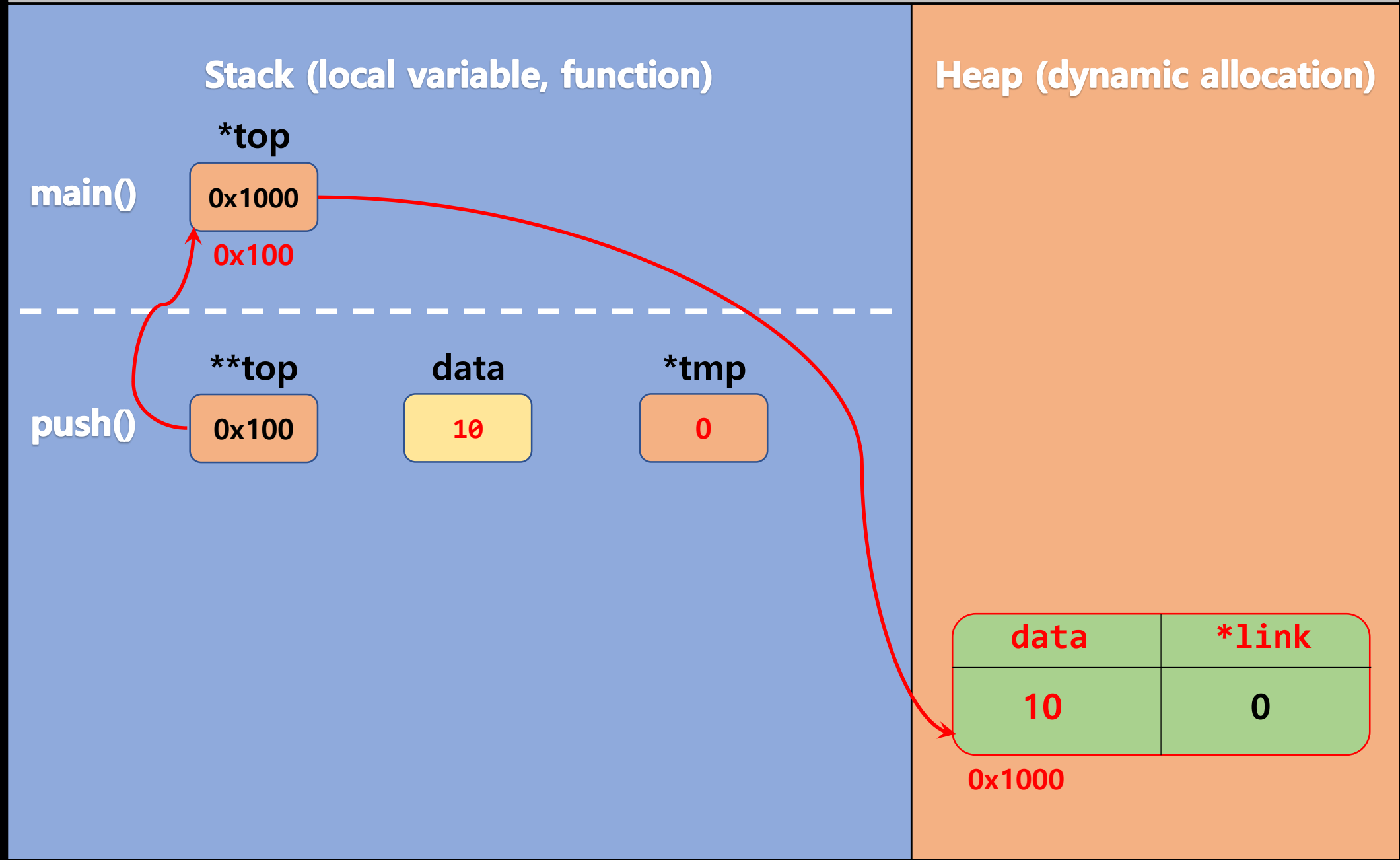
```

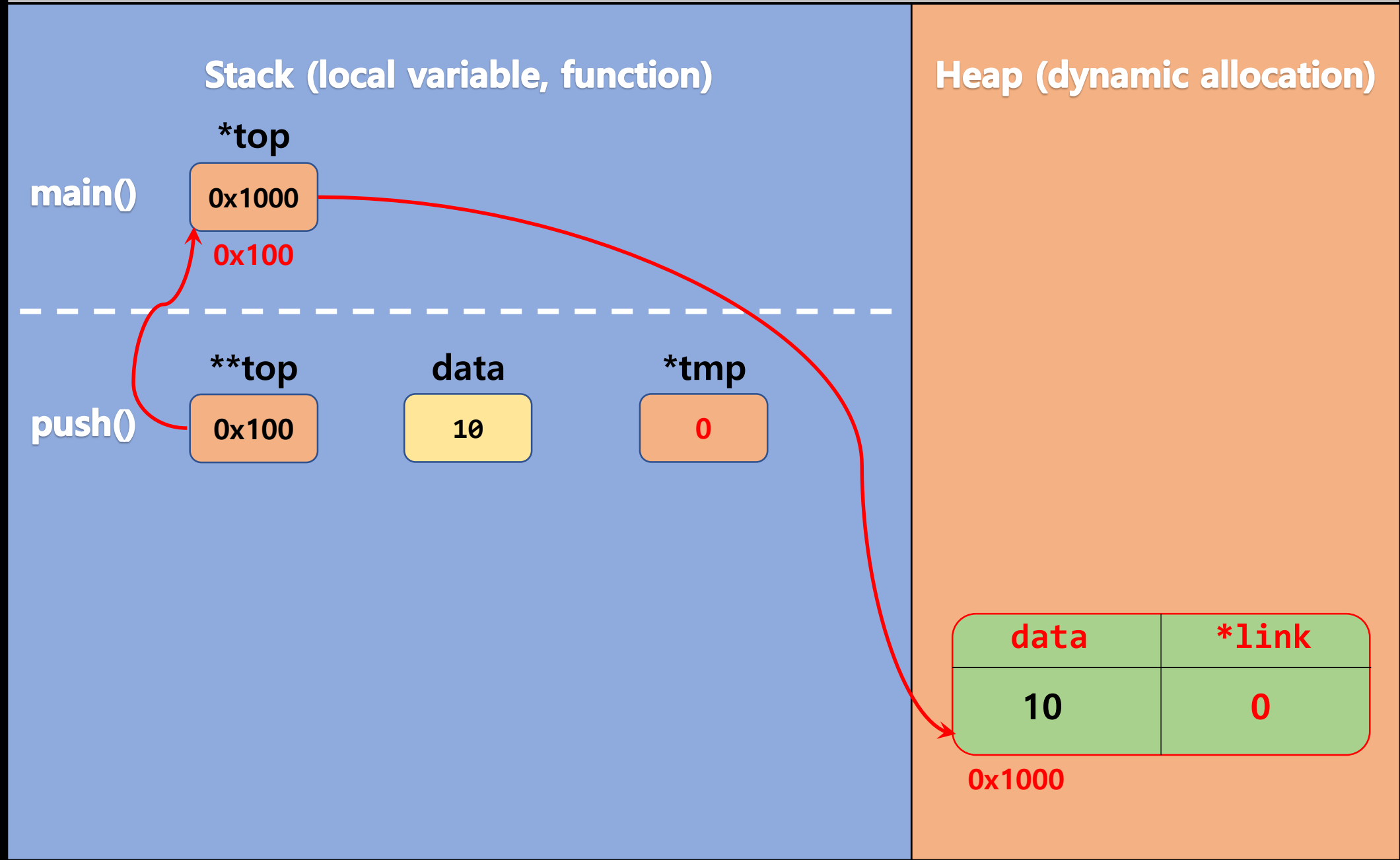


Data Struct

Stack

code)

```
(*top)->link = tmp;
```



Data Struct

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code)

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(*top)->link = tmp;
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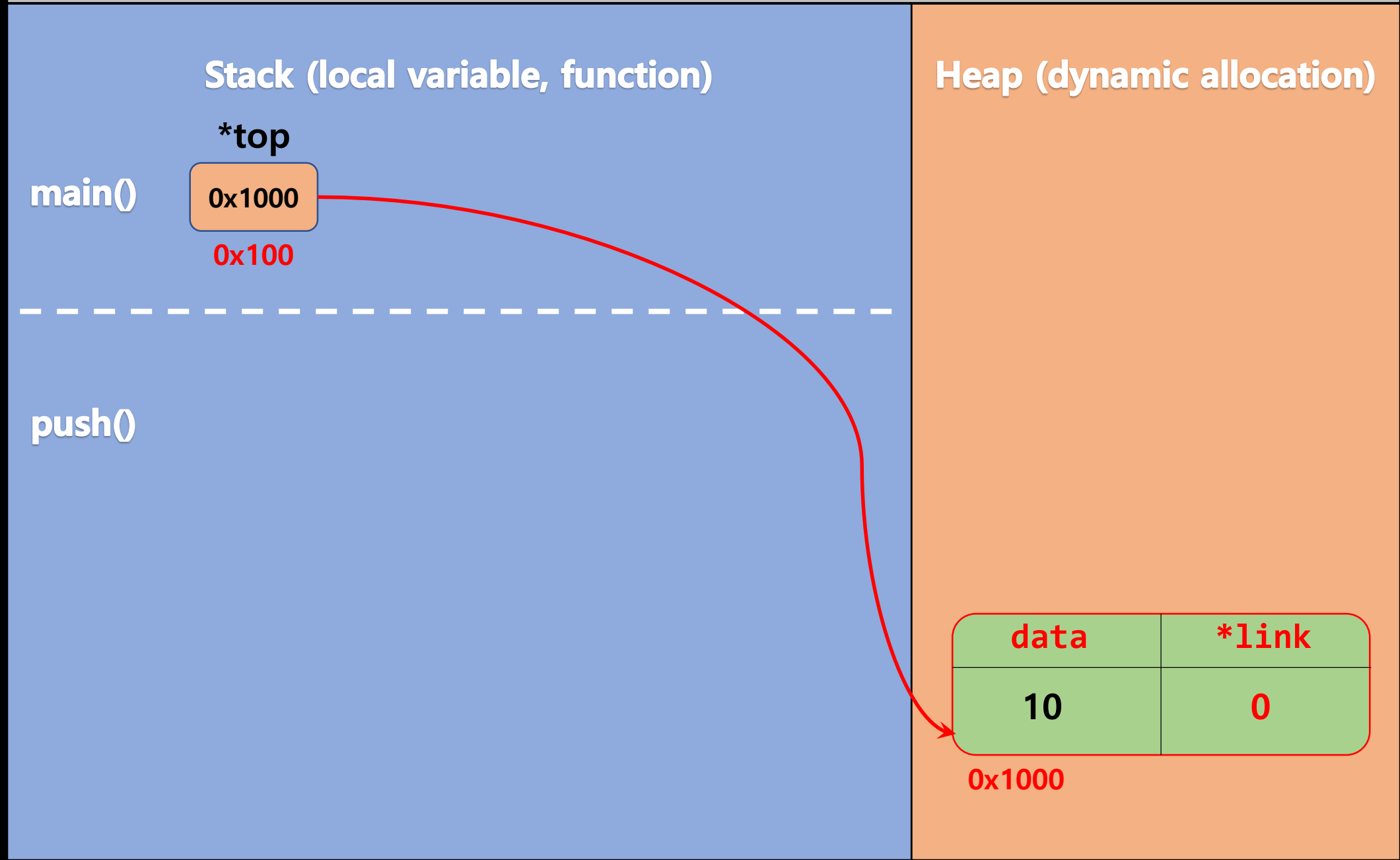

Data Struct

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code)

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(*top)->link = tmp;
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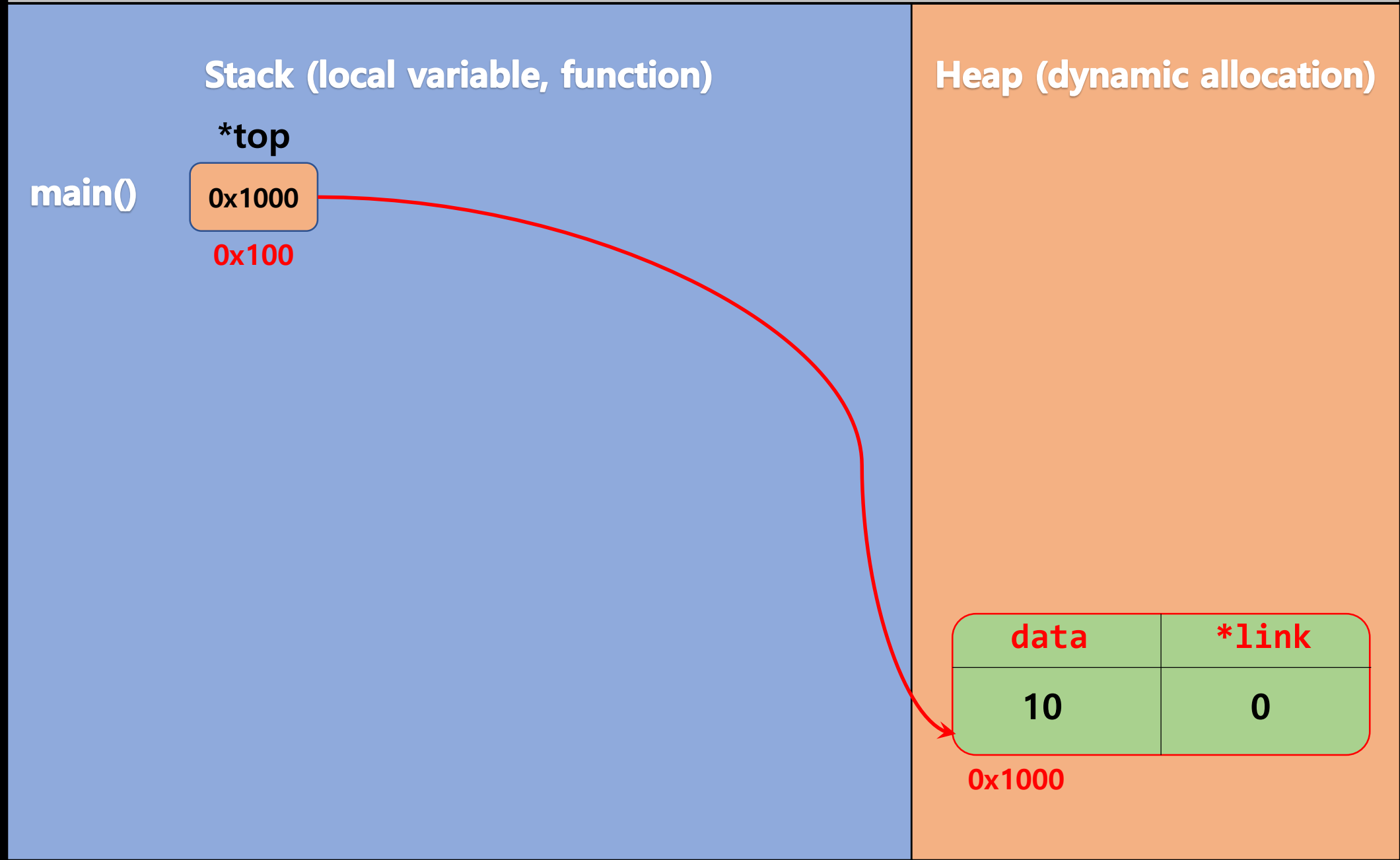


Data Struct

Stack

code)

```
push(&top, 20);
```

Stack (local variable, function)

Heap (dynamic allocation)

*top

main()

0x1000

0x100

push()

data	*link
10	0

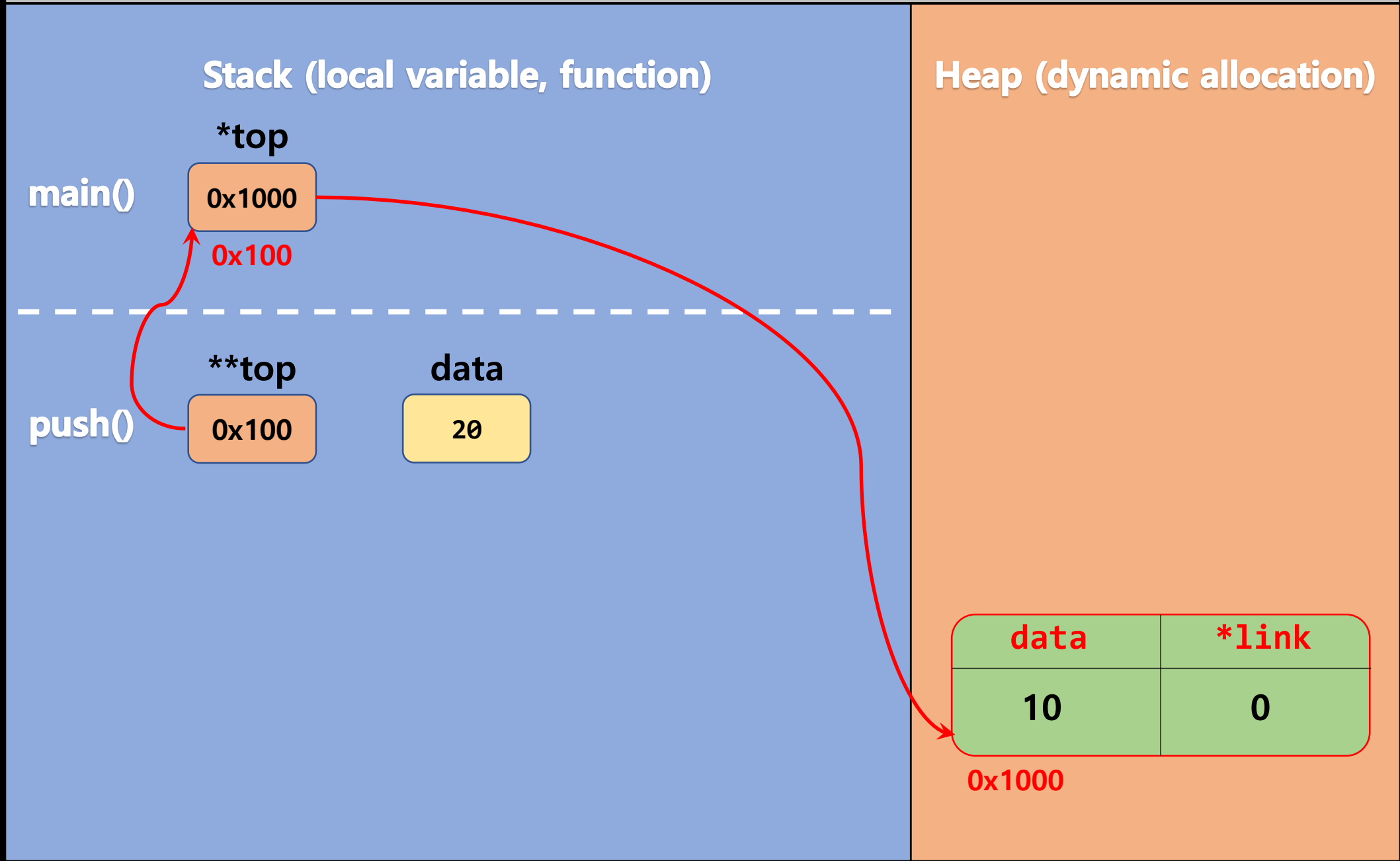
0x1000

Data Struct

Stack

code)

```
push(&top, 20);
```

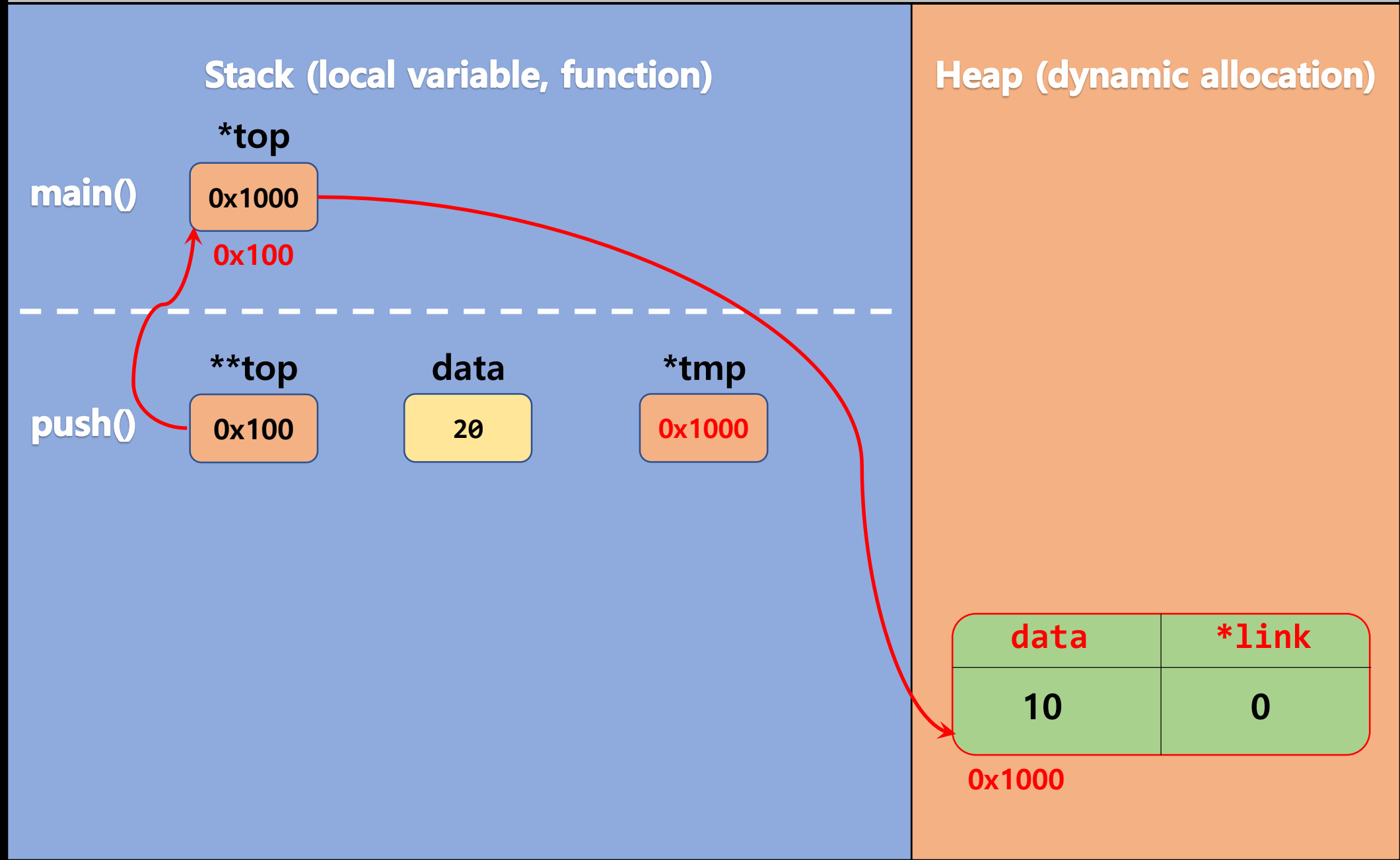


Data Struct

Stack

code)

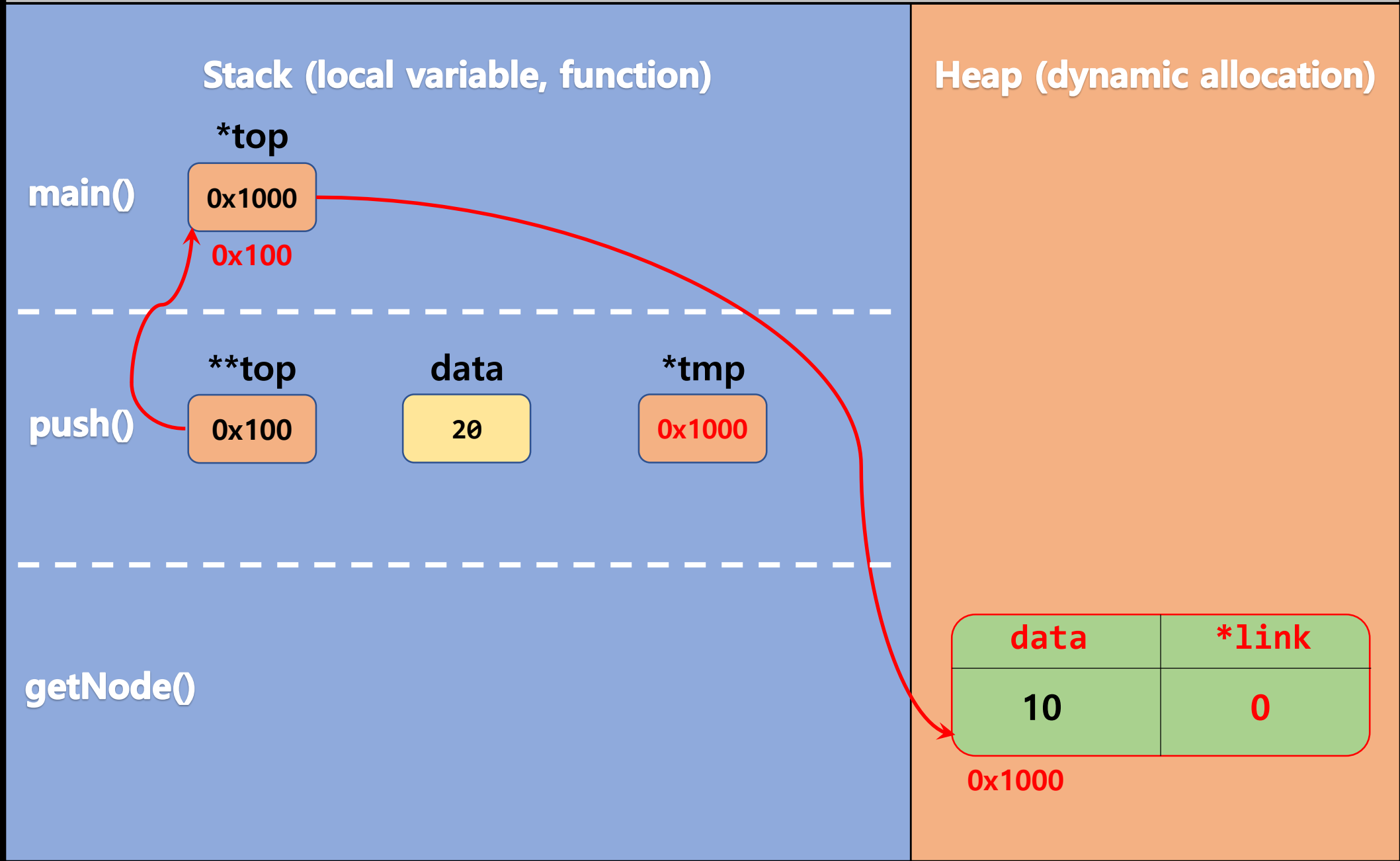
```
Stack* tmp = *top;
```



Data Struct

Stack

code) `*top = getNode();`

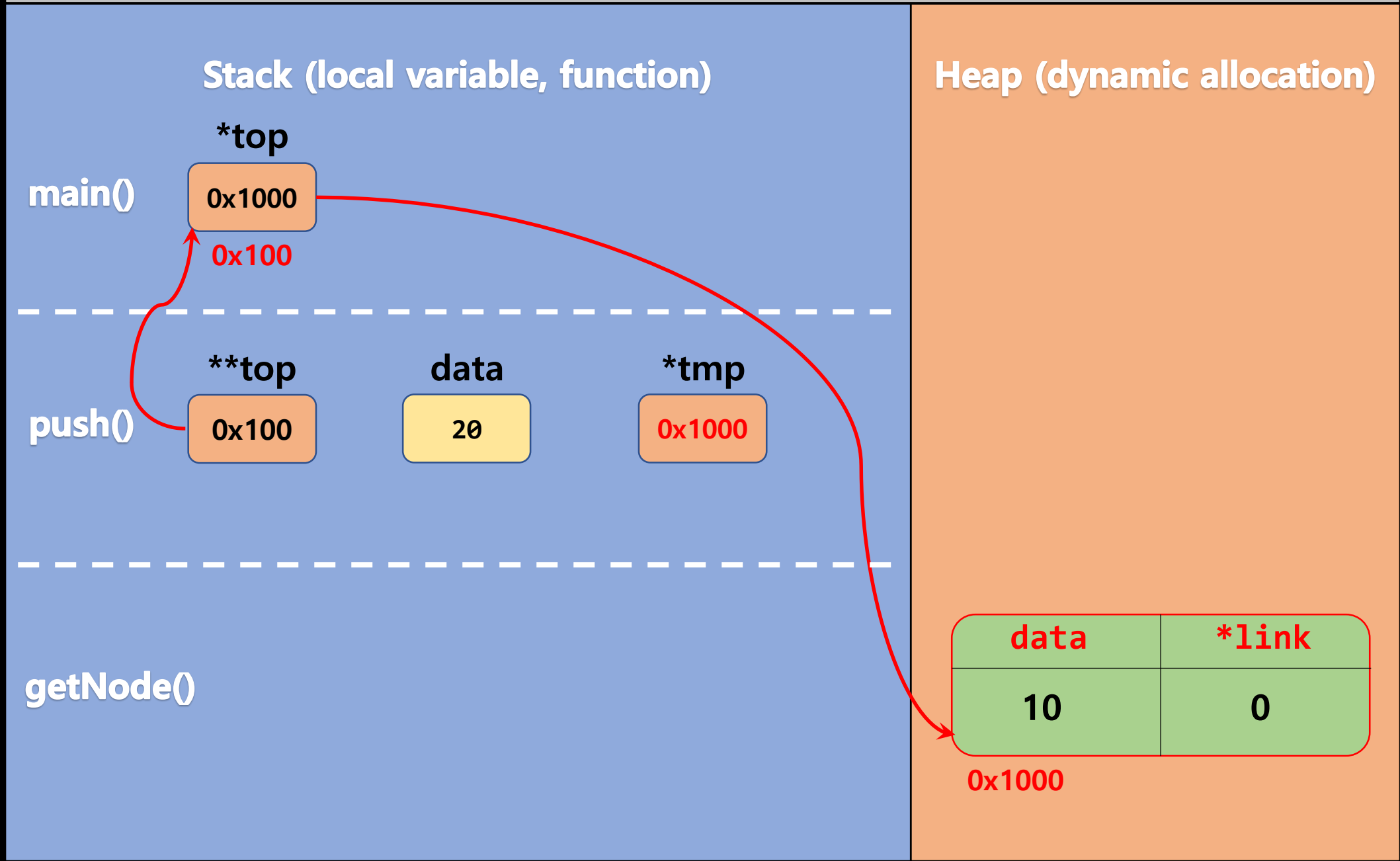


Data Struct

Stack

code)

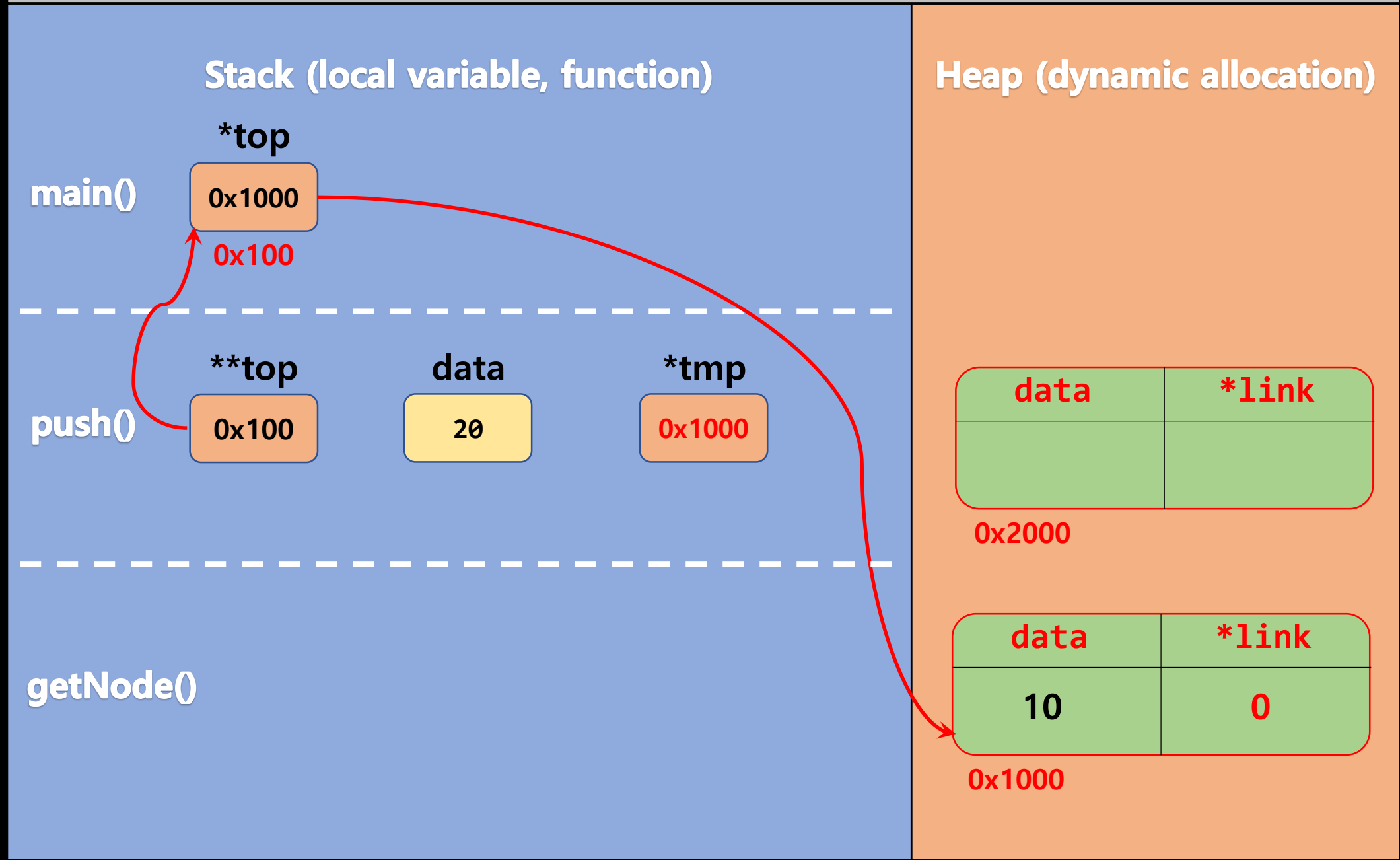
```
Stack* newNode = (Stack*)malloc(sizeof(Stack));
```



Data Struct

Stack

code) `Stack* newNode = (Stack*)malloc(sizeof(Stack));`

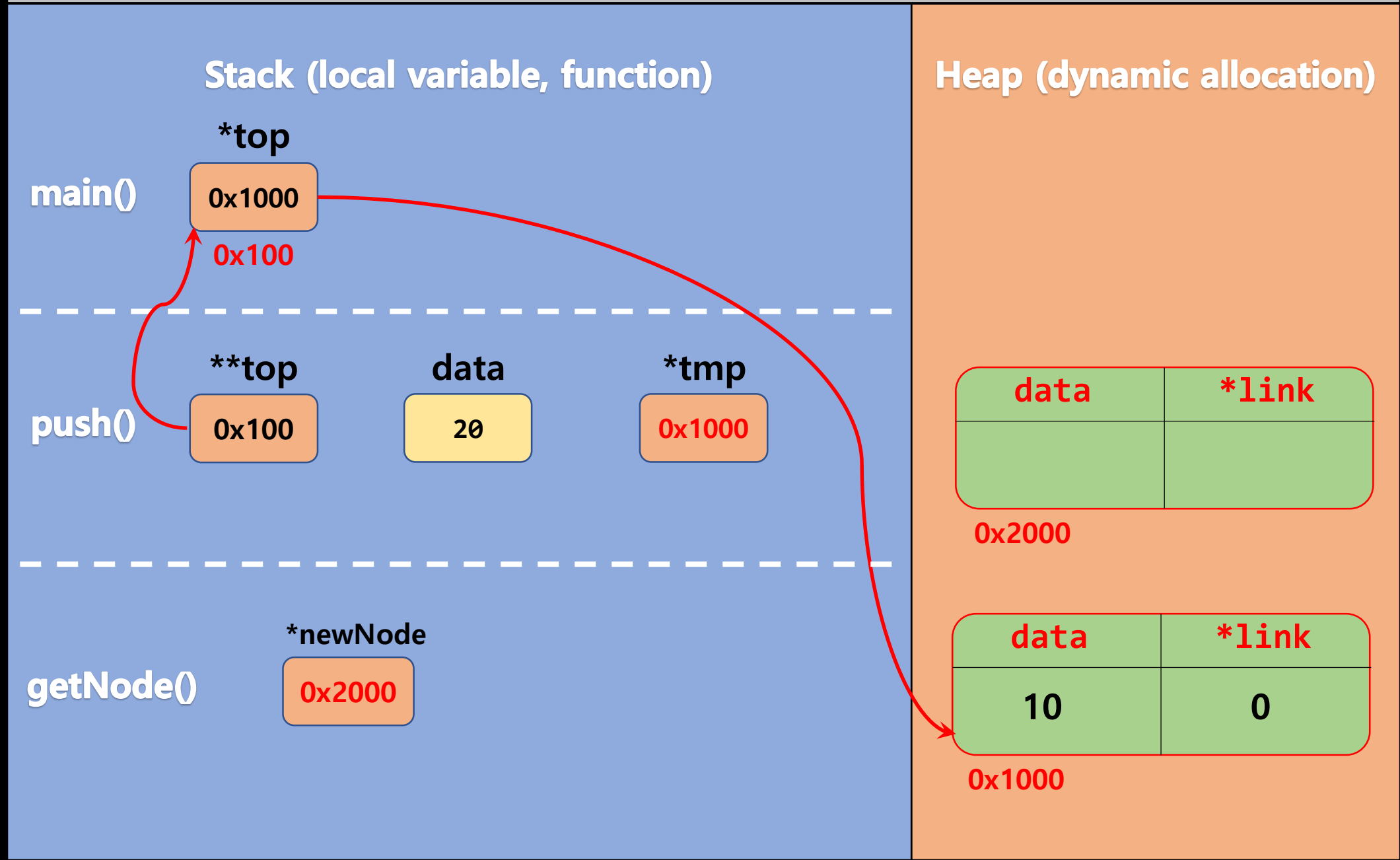


Data Struct

Stack

code)

```
Stack* newNode = (Stack*)malloc(sizeof(Stack));
```

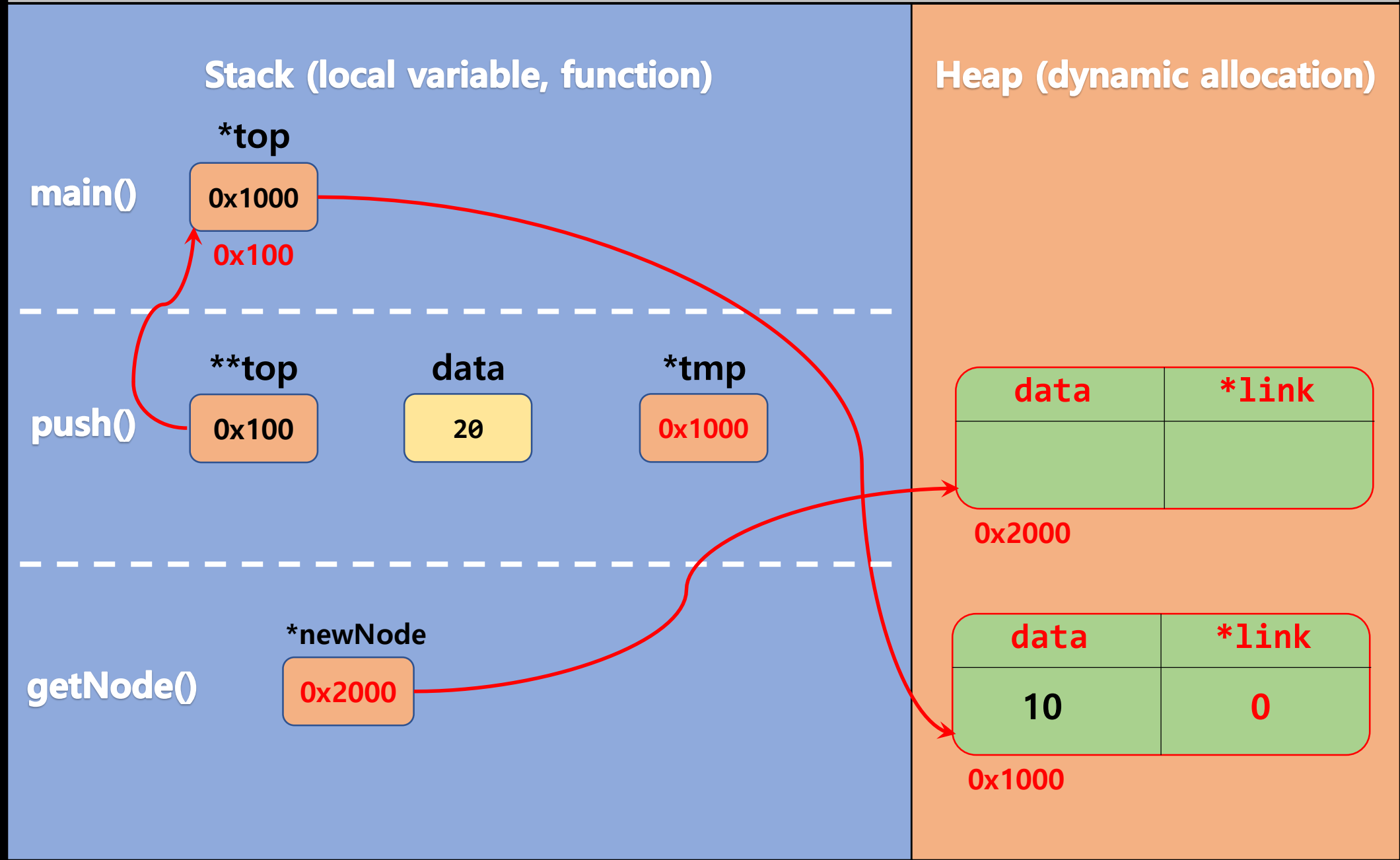


Data Struct

Stack

code)

```
Stack* newNode = (Stack*)malloc(sizeof(Stack));
```

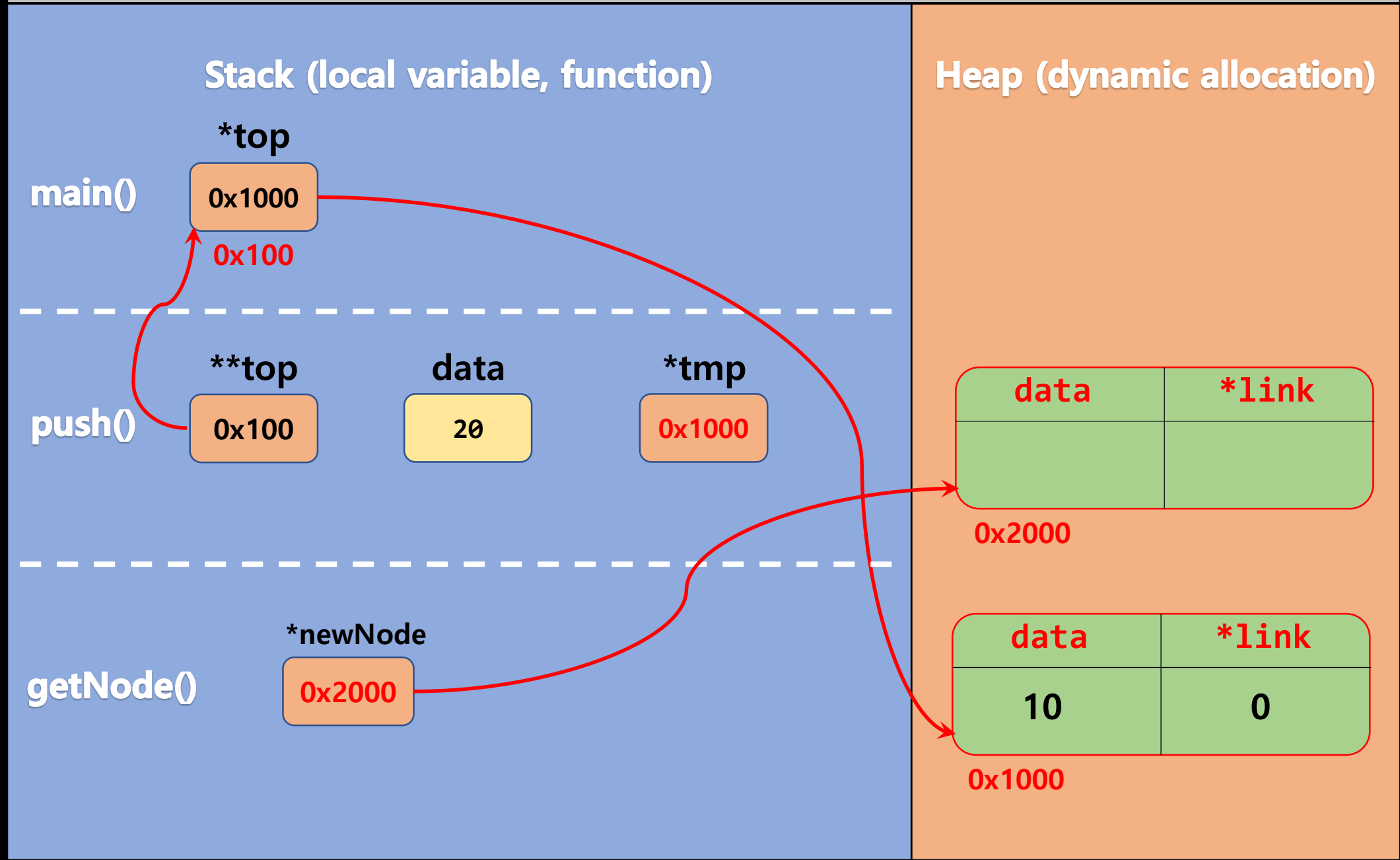


Data Struct

Stack

code)

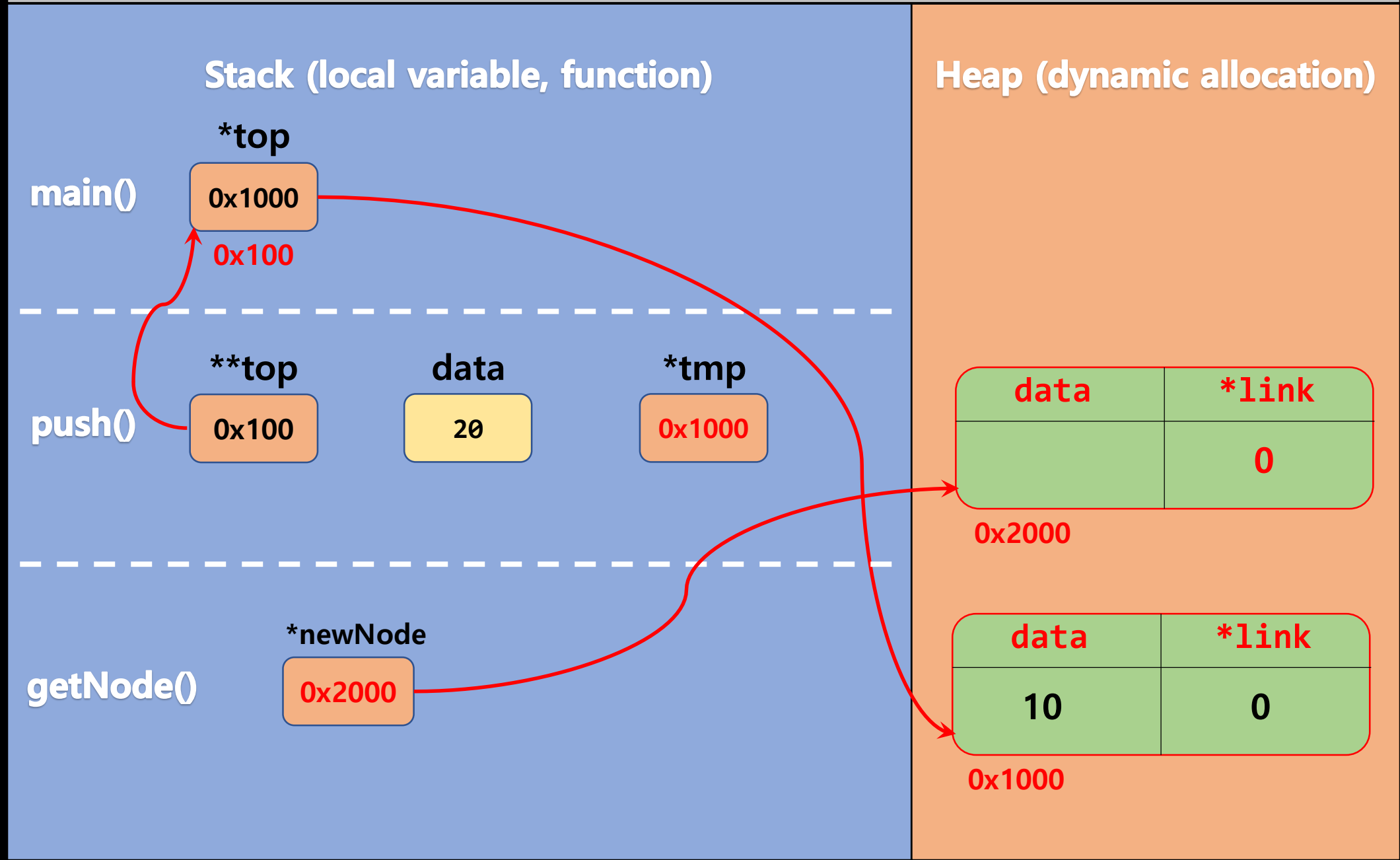
```
newNode->link = NULL;
```



Data Struct

Stack

code) `newNode->link = NULL;`

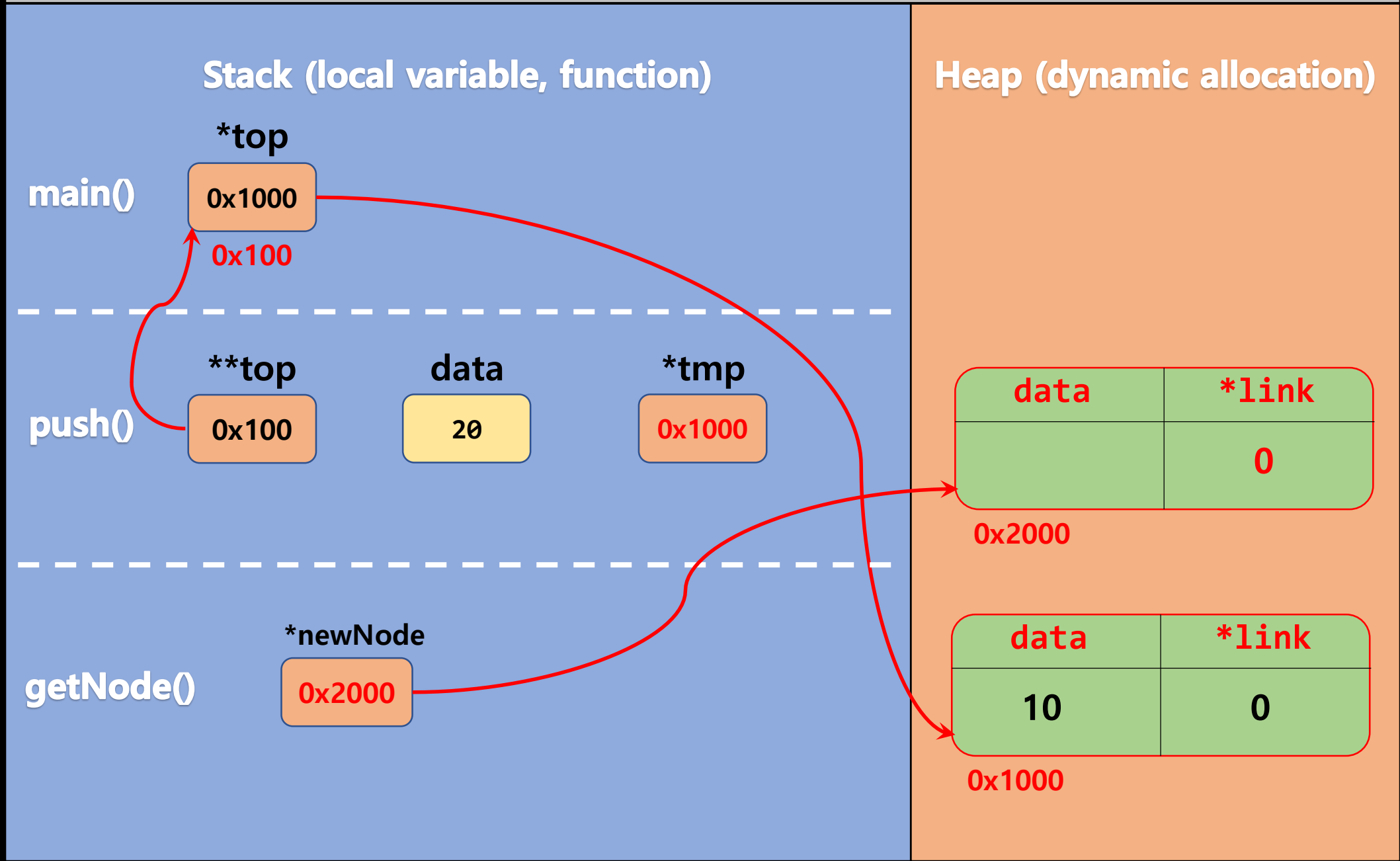


Data Struct

Stack

code)

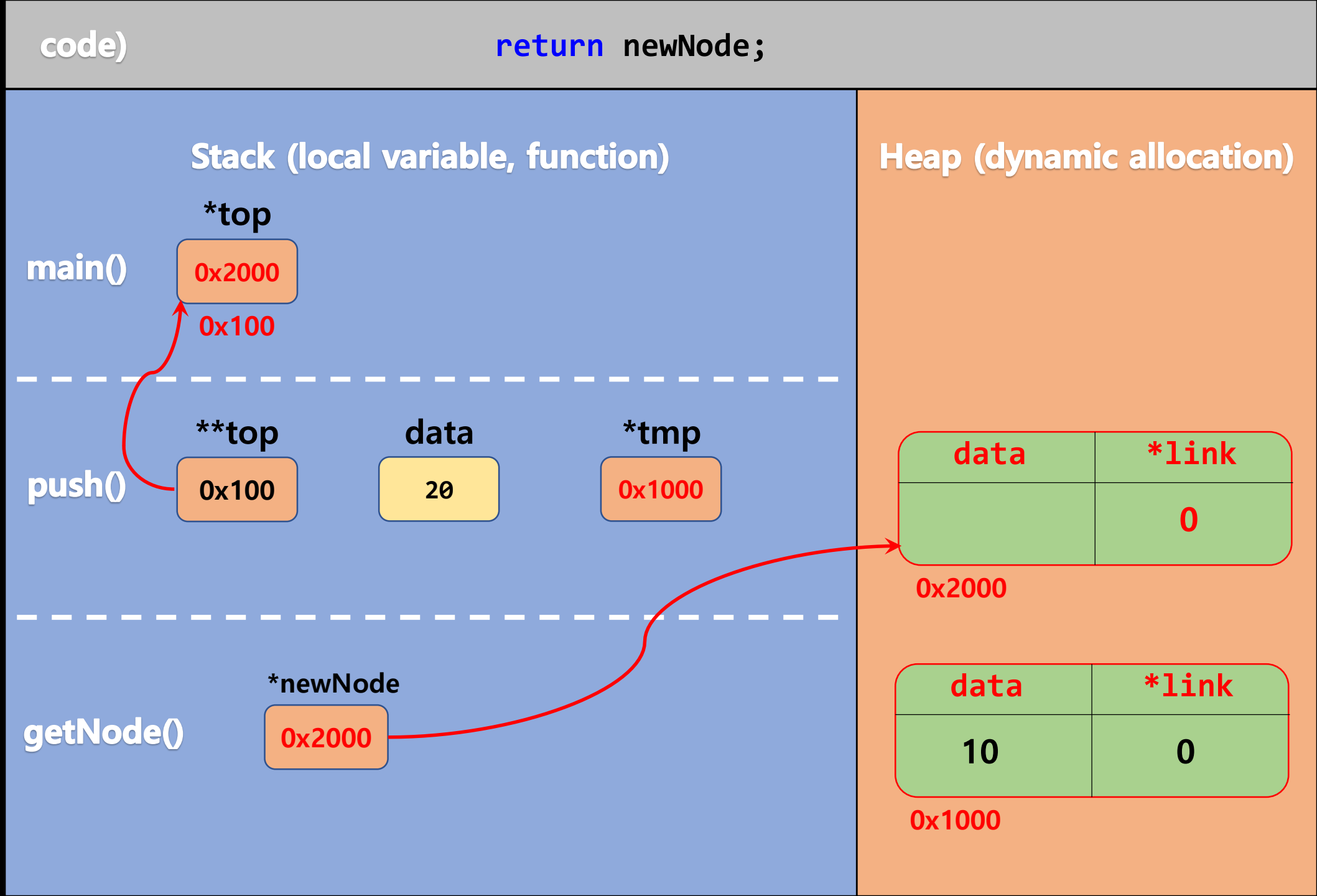
```
return newNode;
```



Data Struct

Stack

code) `return newNode;`

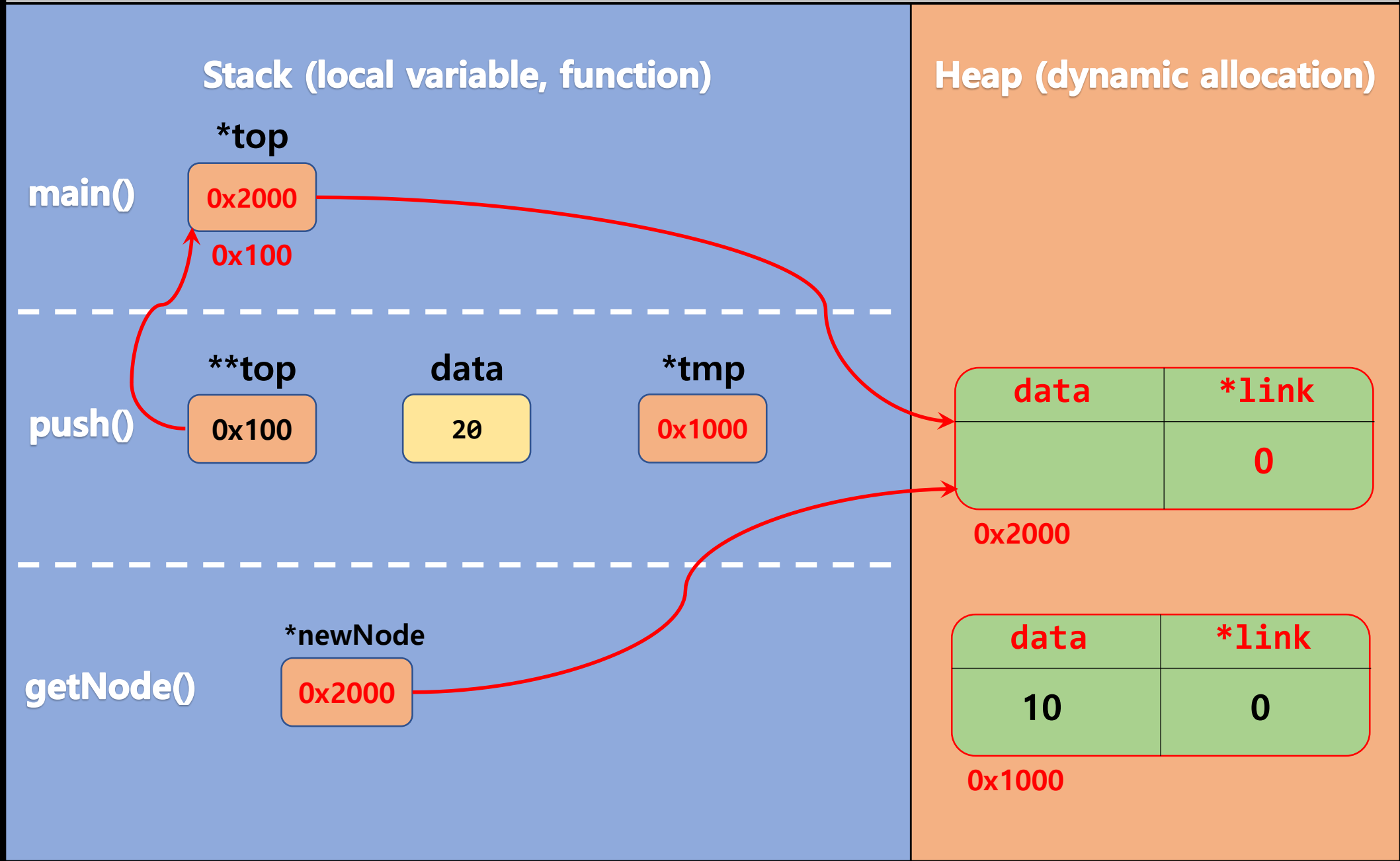


Data Struct

Stack

code)

```
return newNode;
```

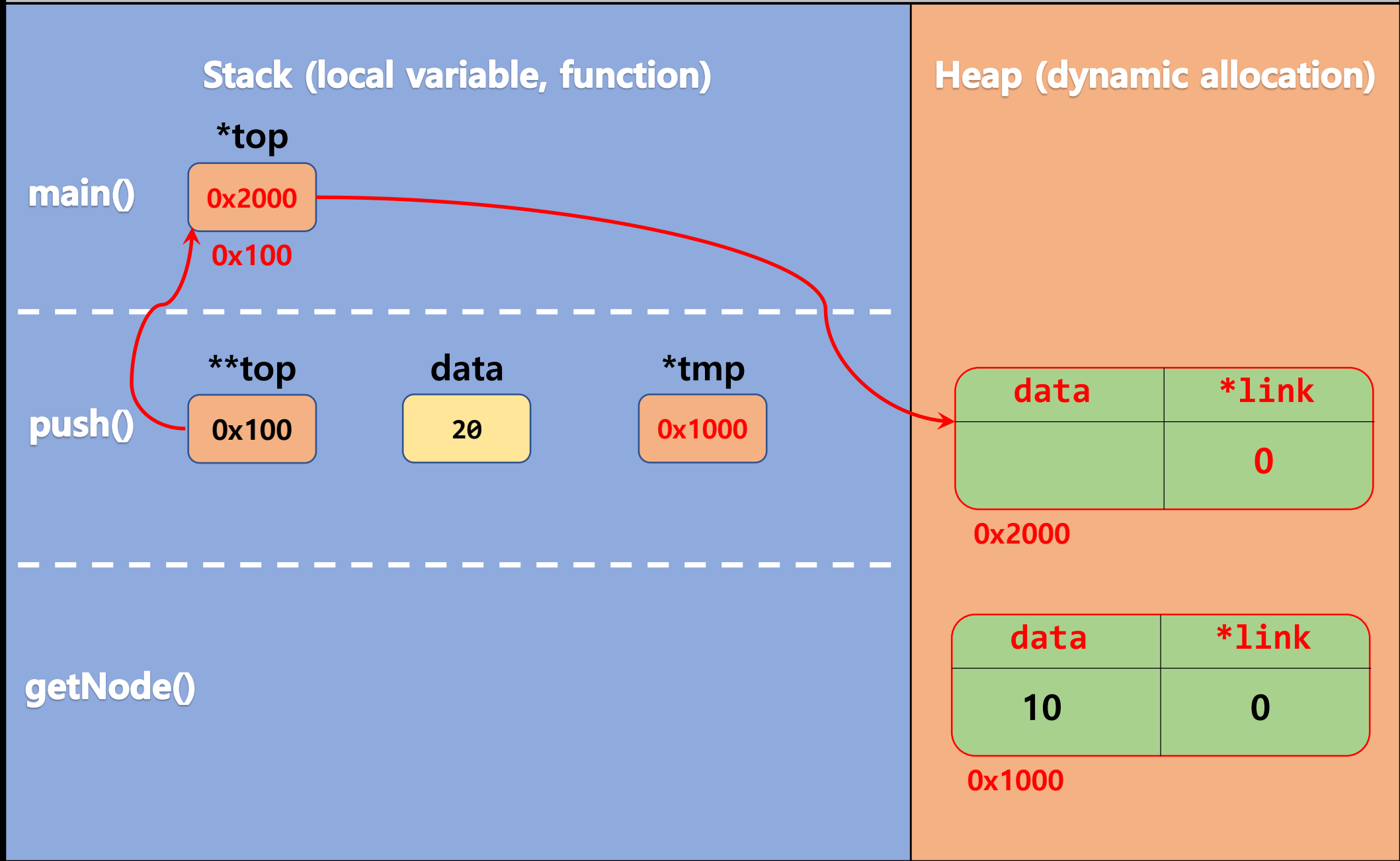


Data Struct

Stack

code)

```
return newNode;
```

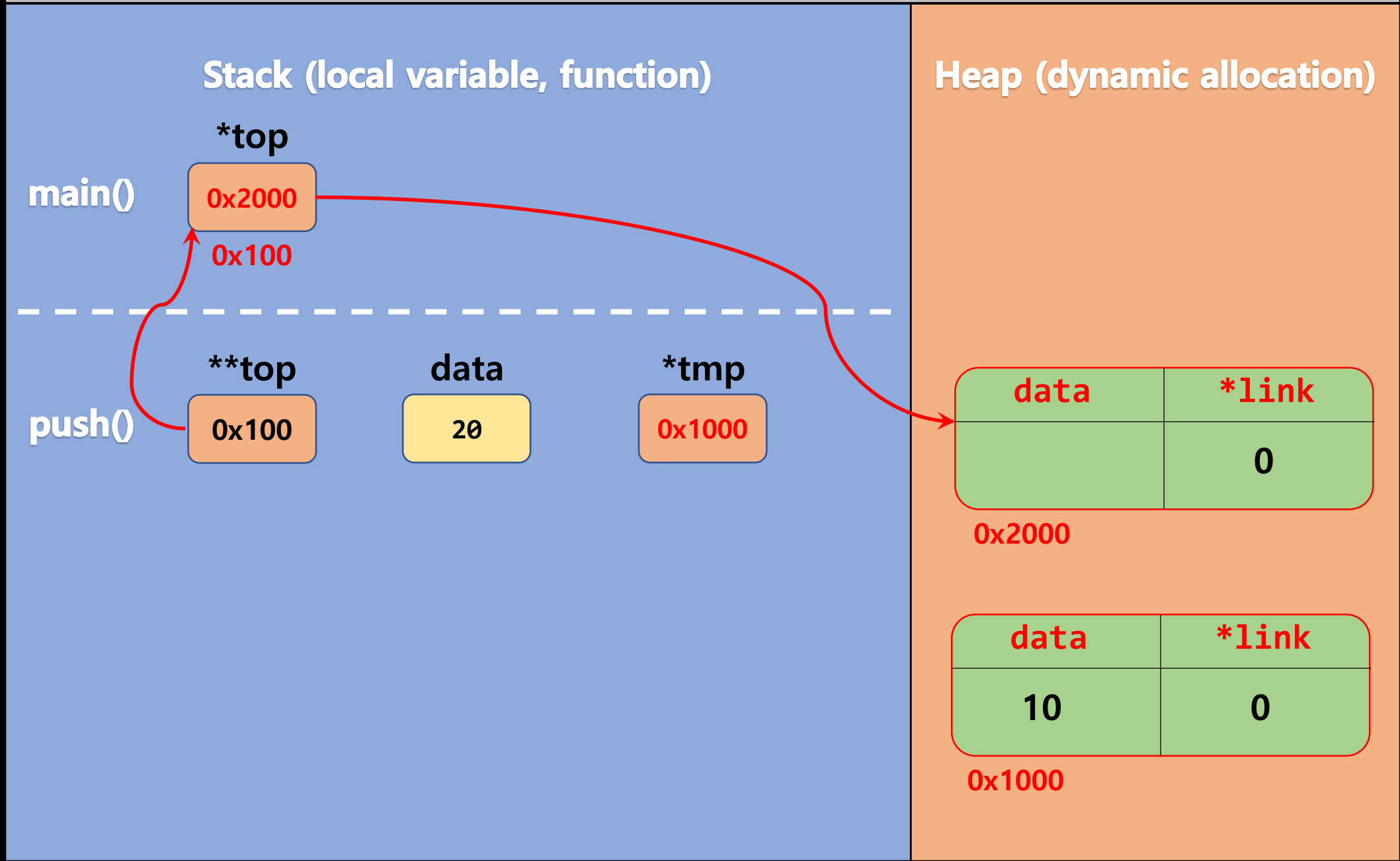


Data Struct

Stack

code)

```
return newNode;
```

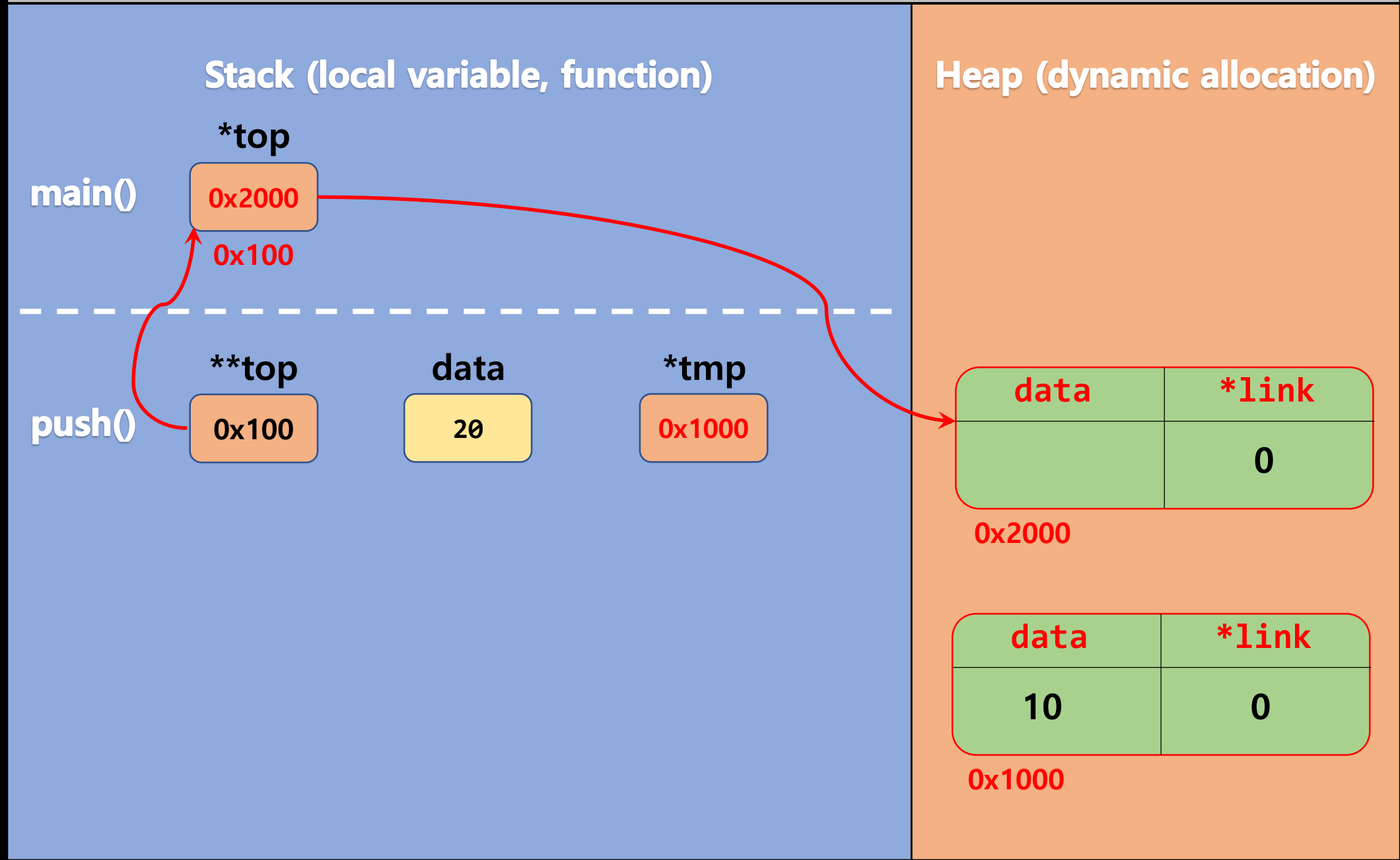


Data Struct

Stack

code)

```
(*top)->data = data;
```



Data Struct

Stack

code)

```
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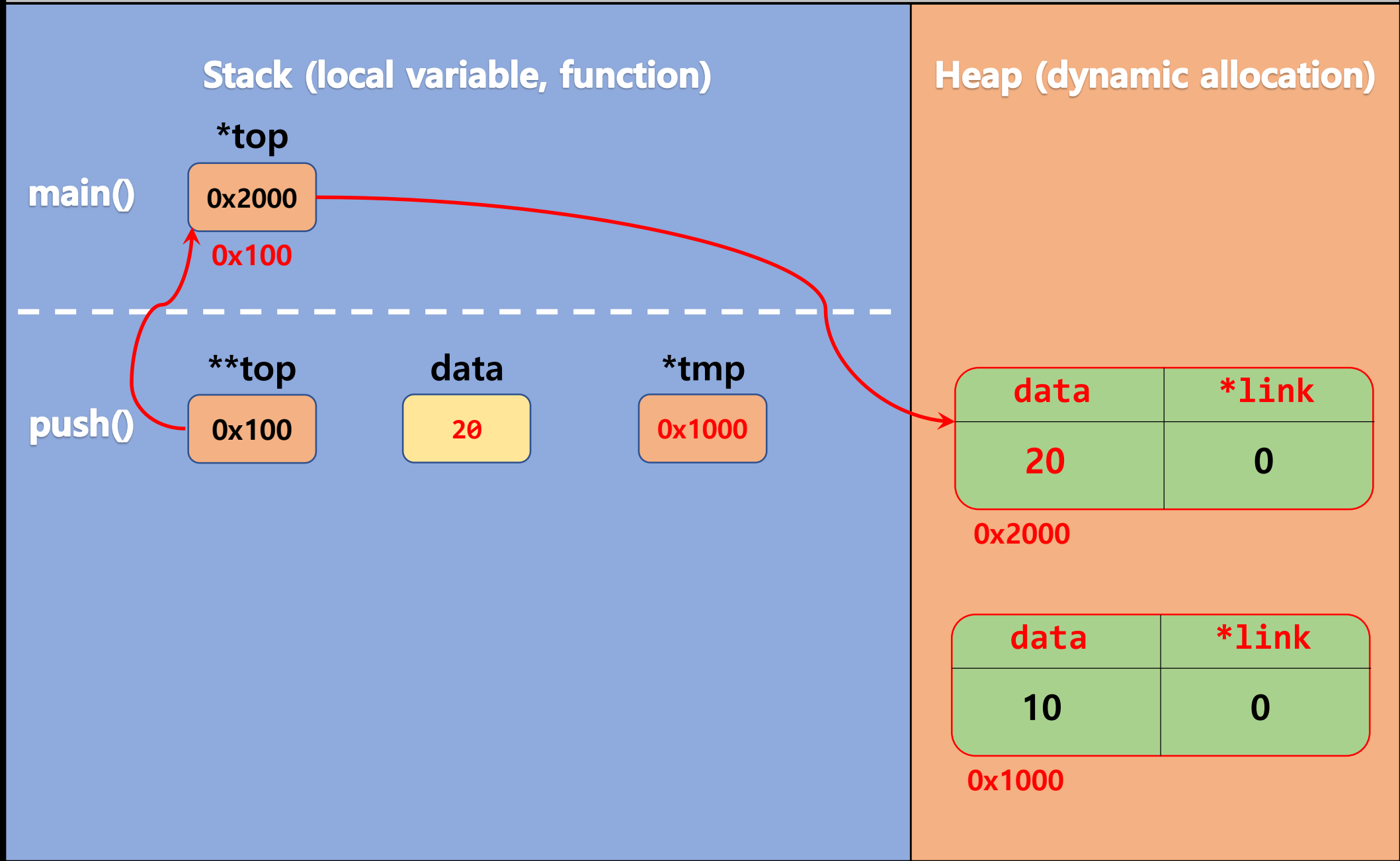
```

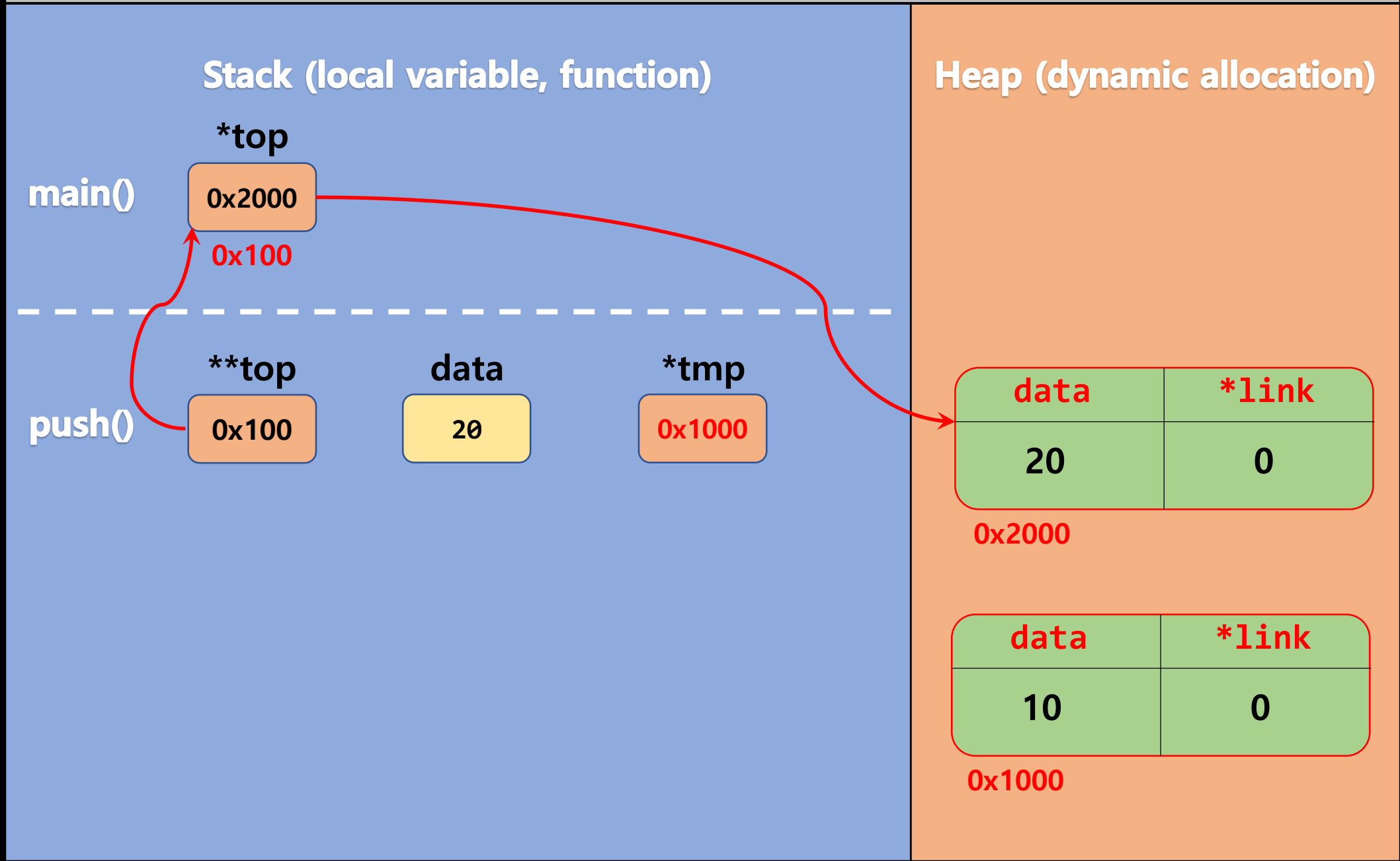


Data Struct

Stack

code)

```
(*top)->link = tmp;
```



Data Struct

Stack

code)

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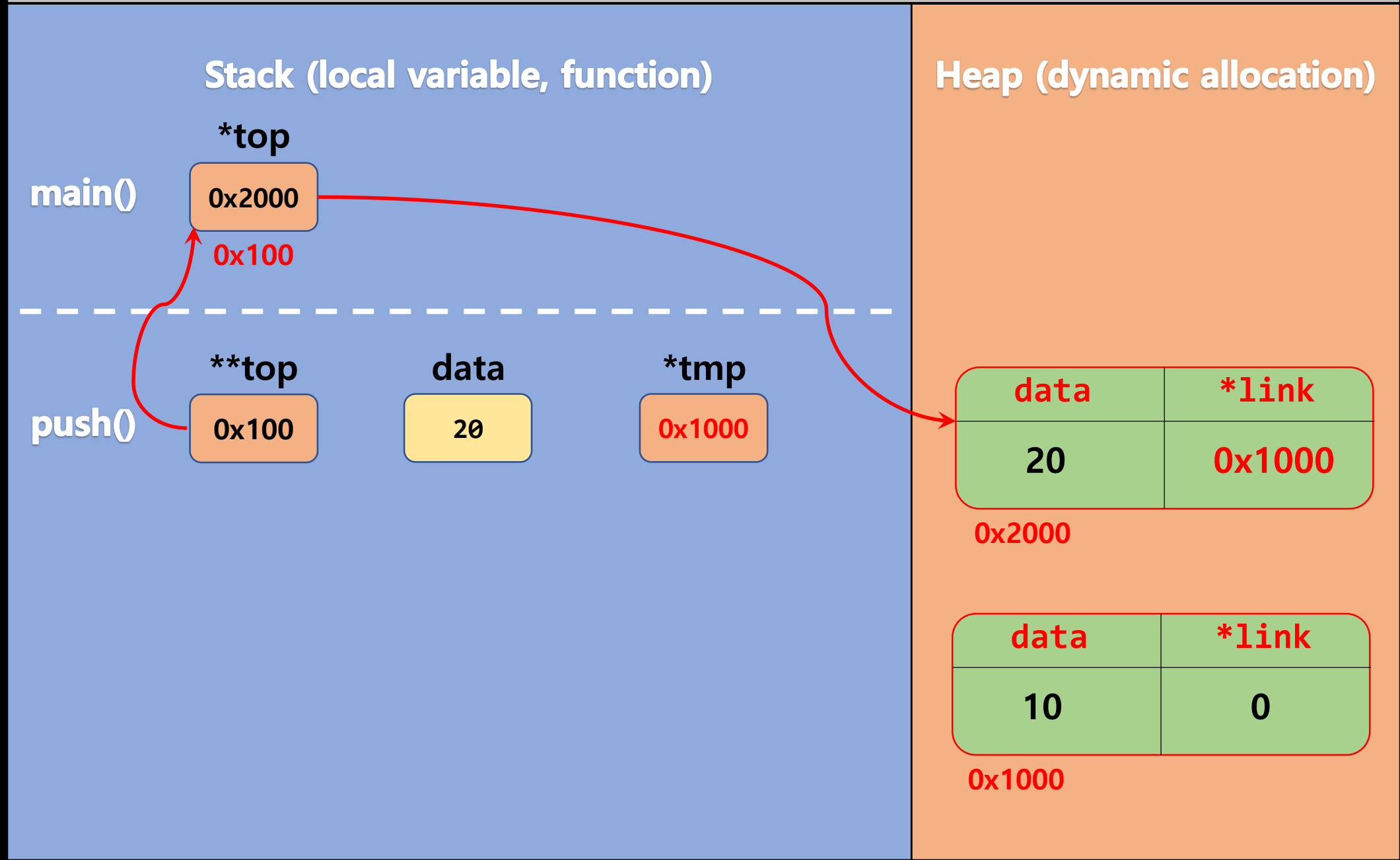
```



Data Struct

Stack

code)

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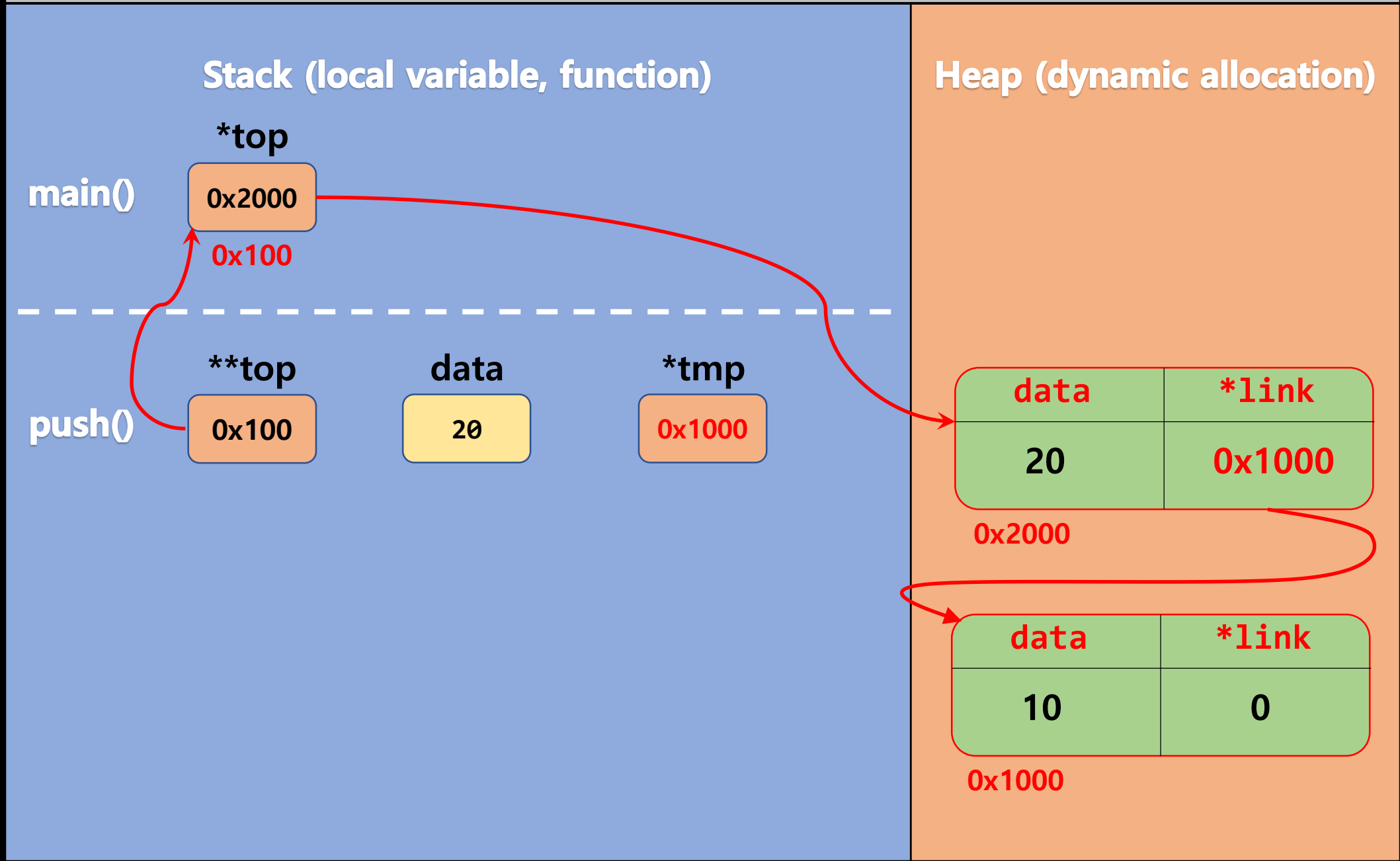

Data Struct

Stack

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```
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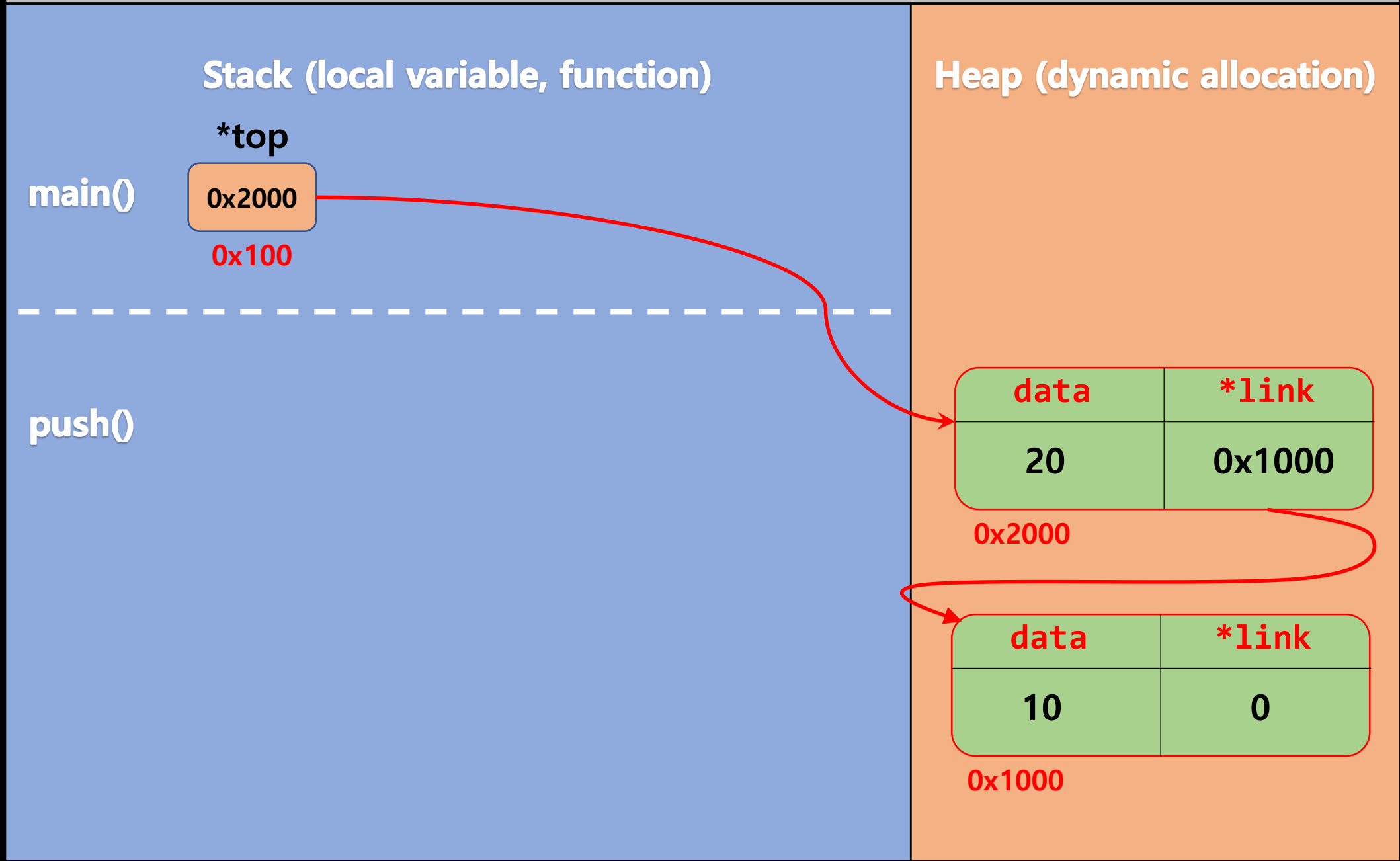
```



Data Struct

Stack

code)

```
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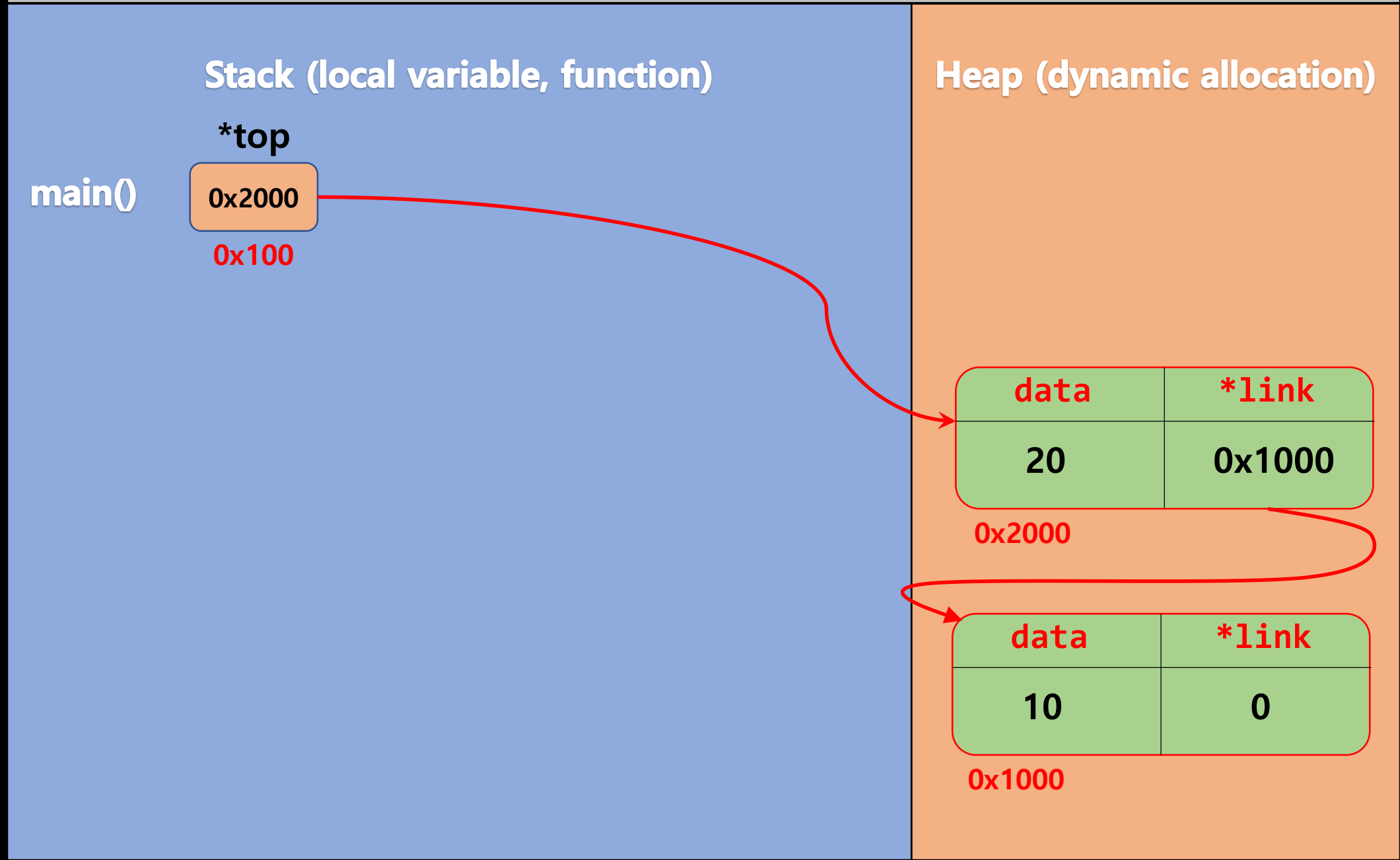
```

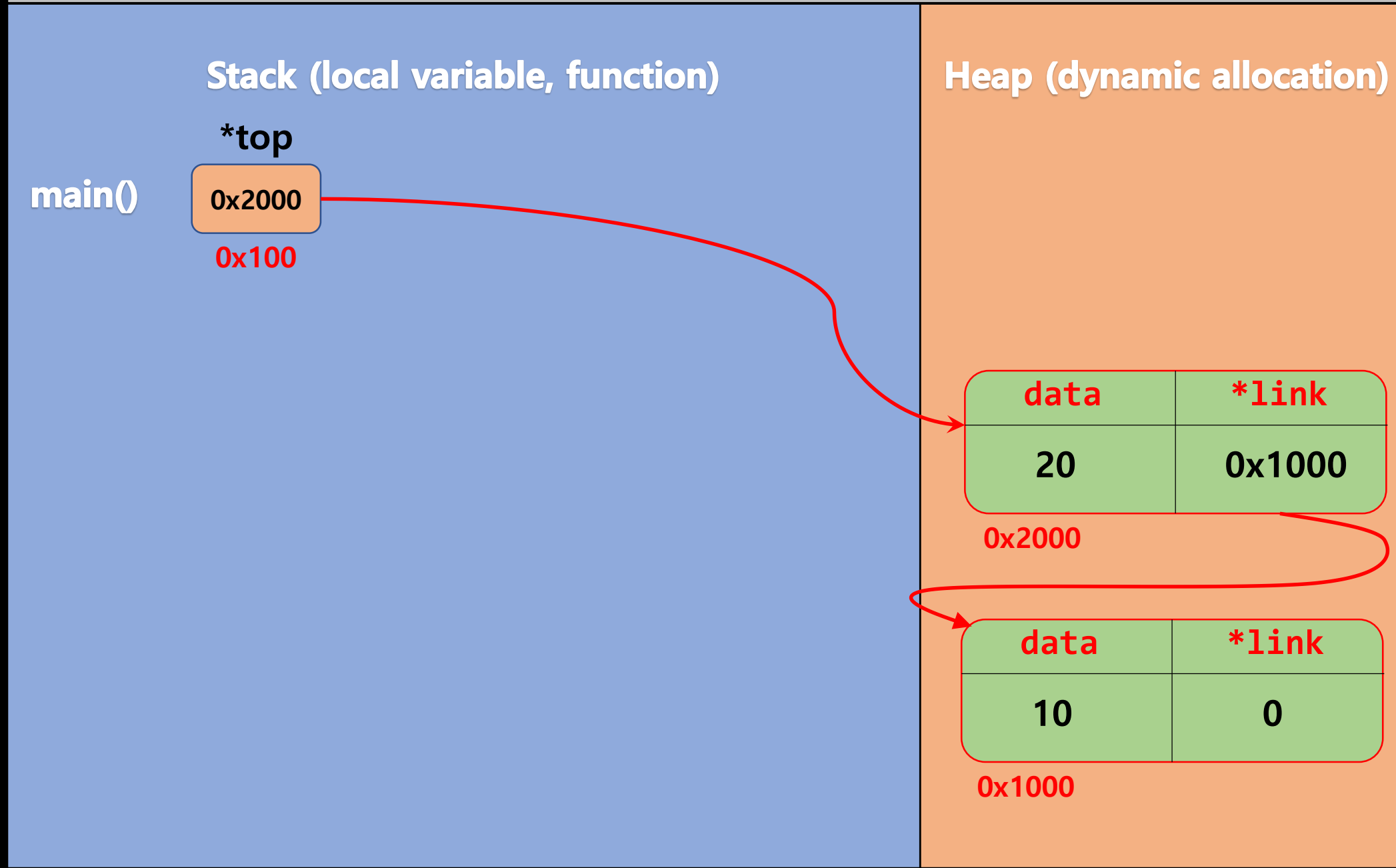


Data Struct

Stack

code)

```
push(&top, 30);
```

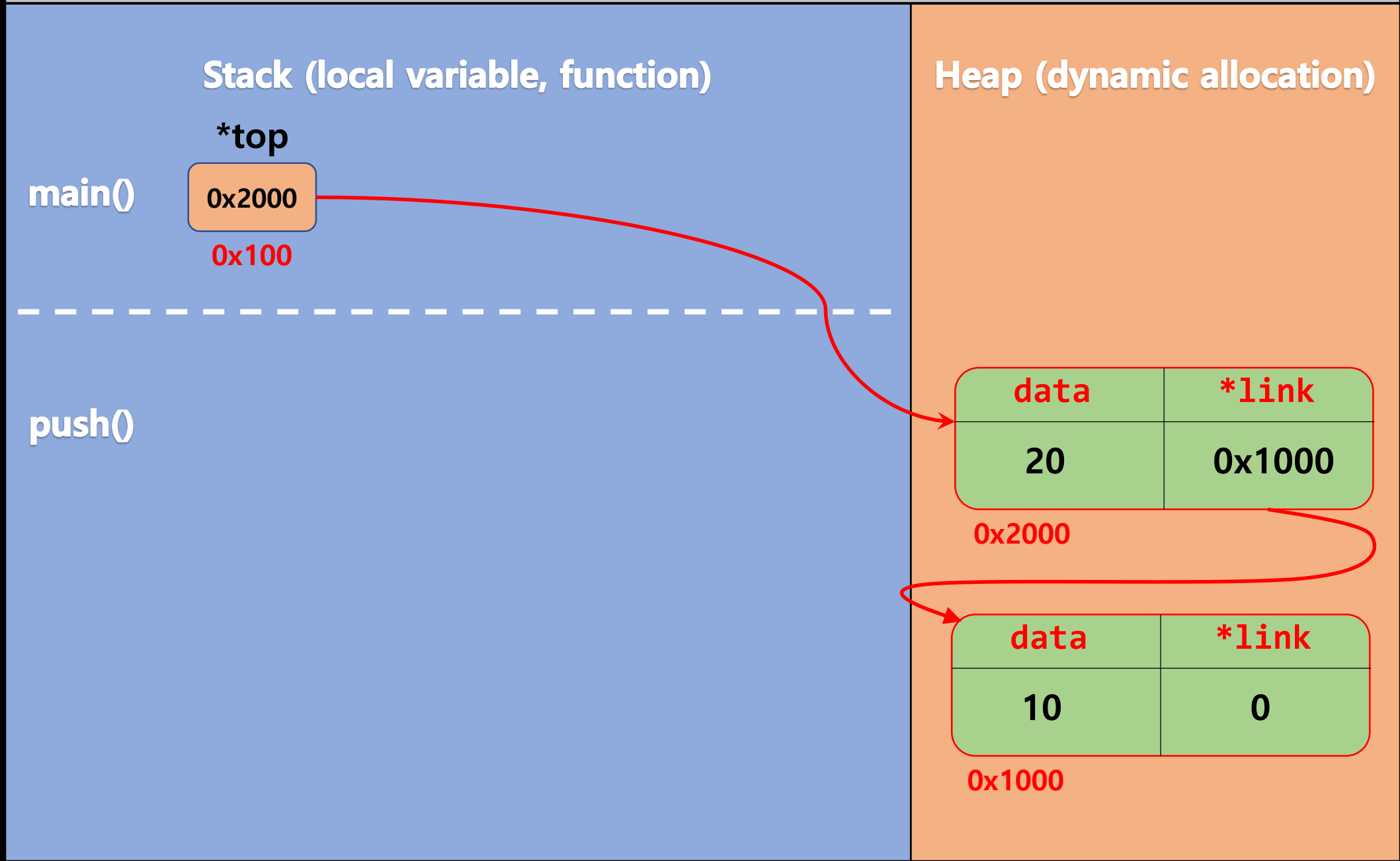


Data Struct

Stack

code)

```
push(&top, 30);
```



Data Struct

Stack

code)

```
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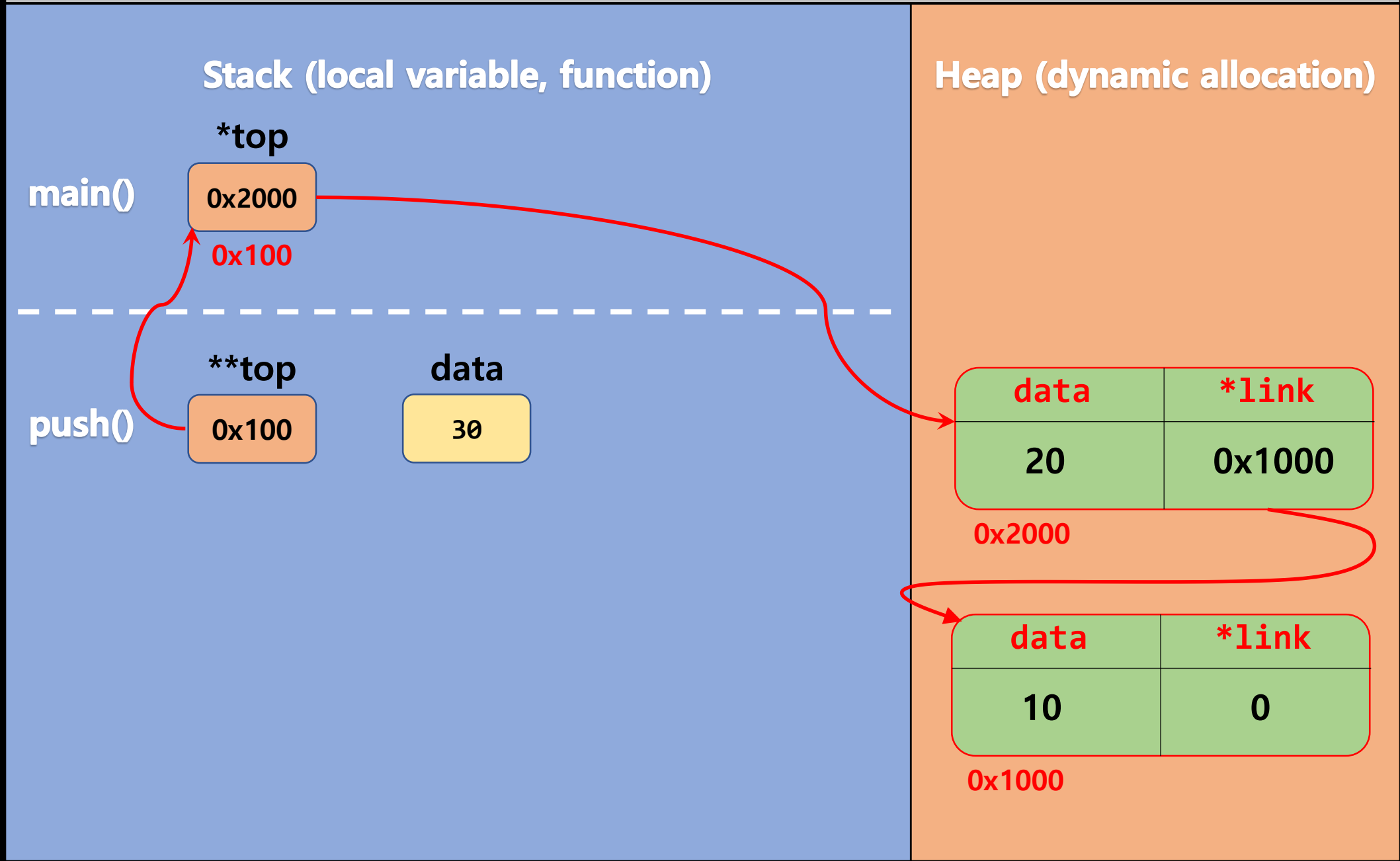
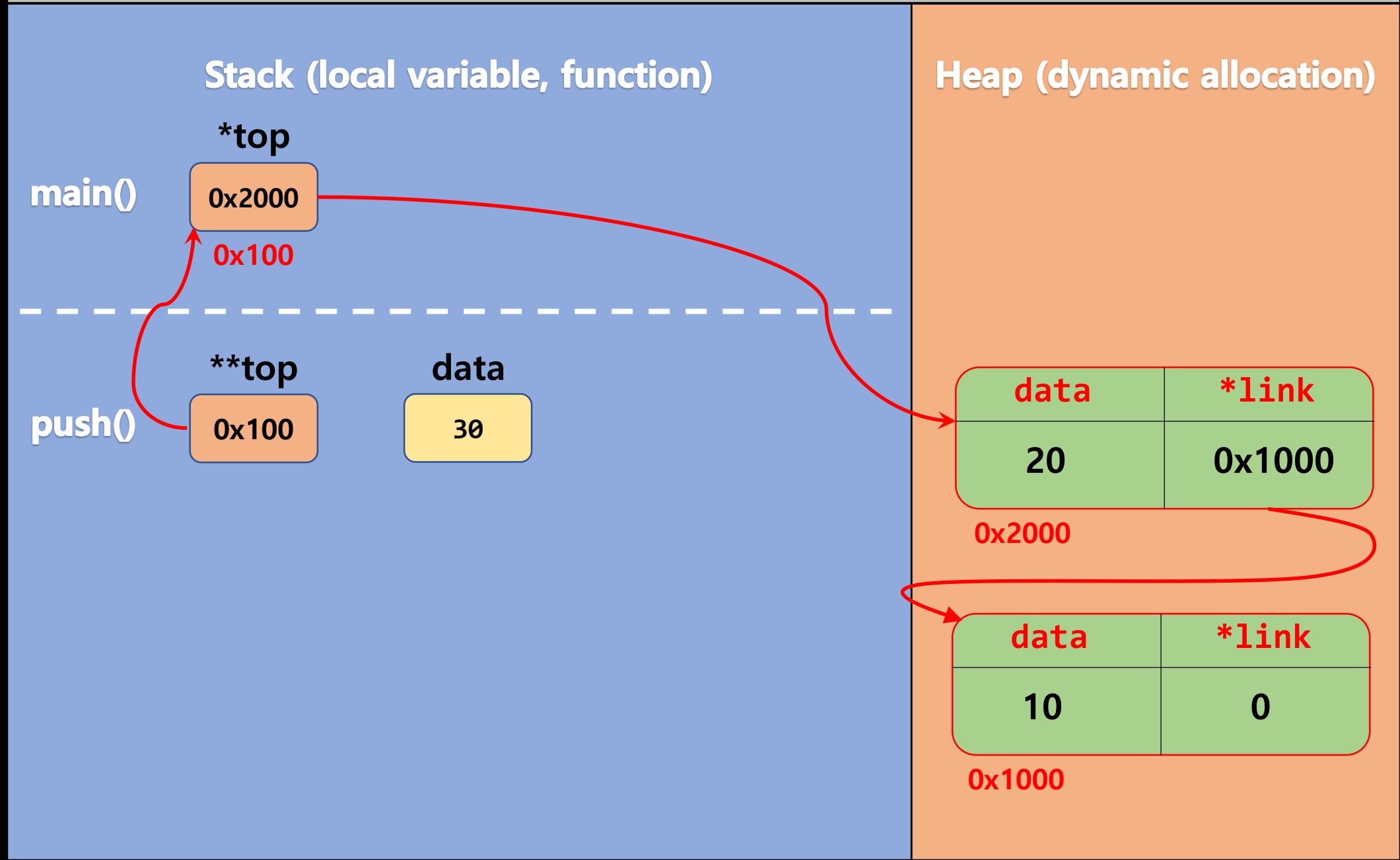


Data Struct

Stack

code)

```
Stack* tmp = *top;
```



Data Struct

Stack

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```
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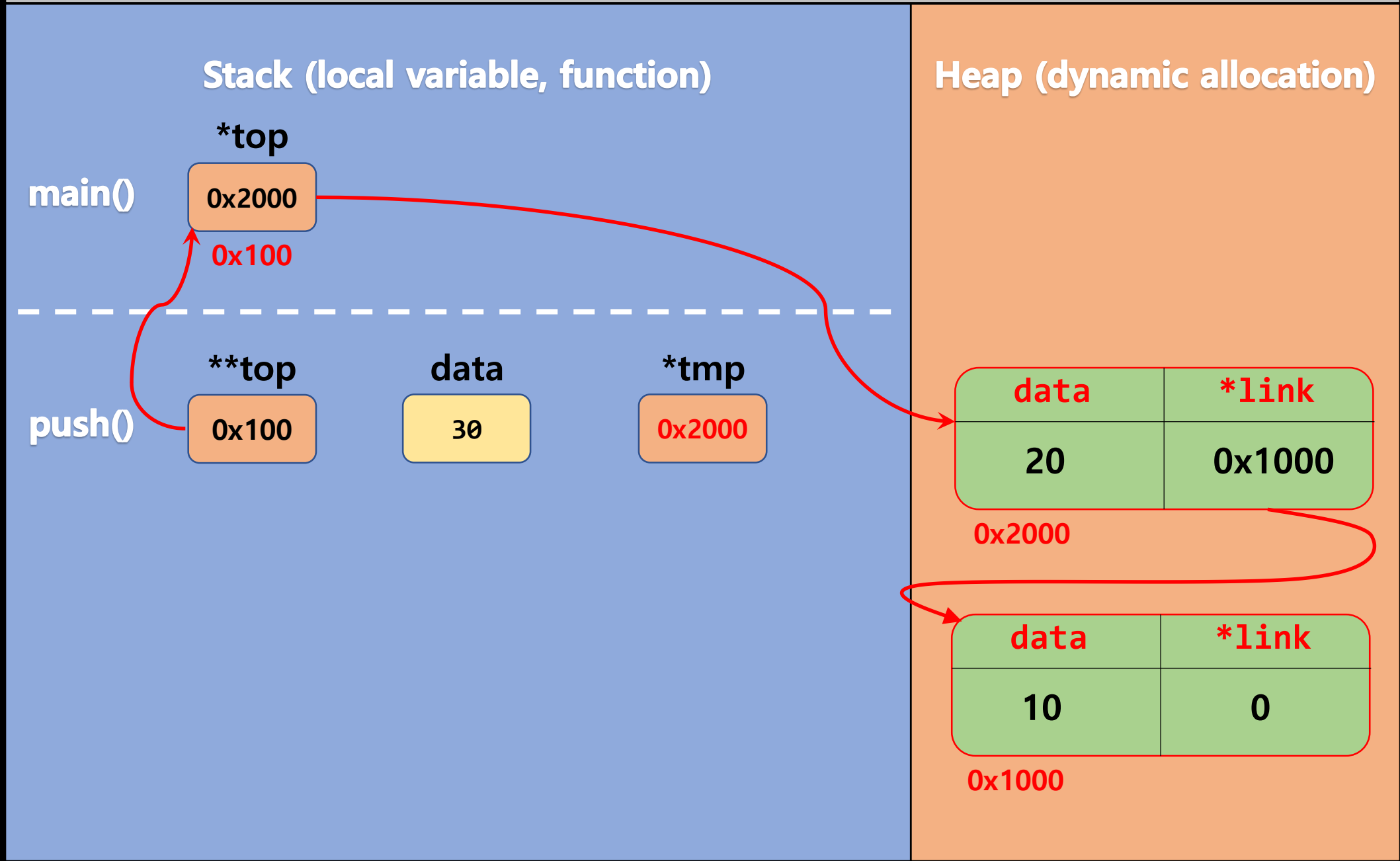
```

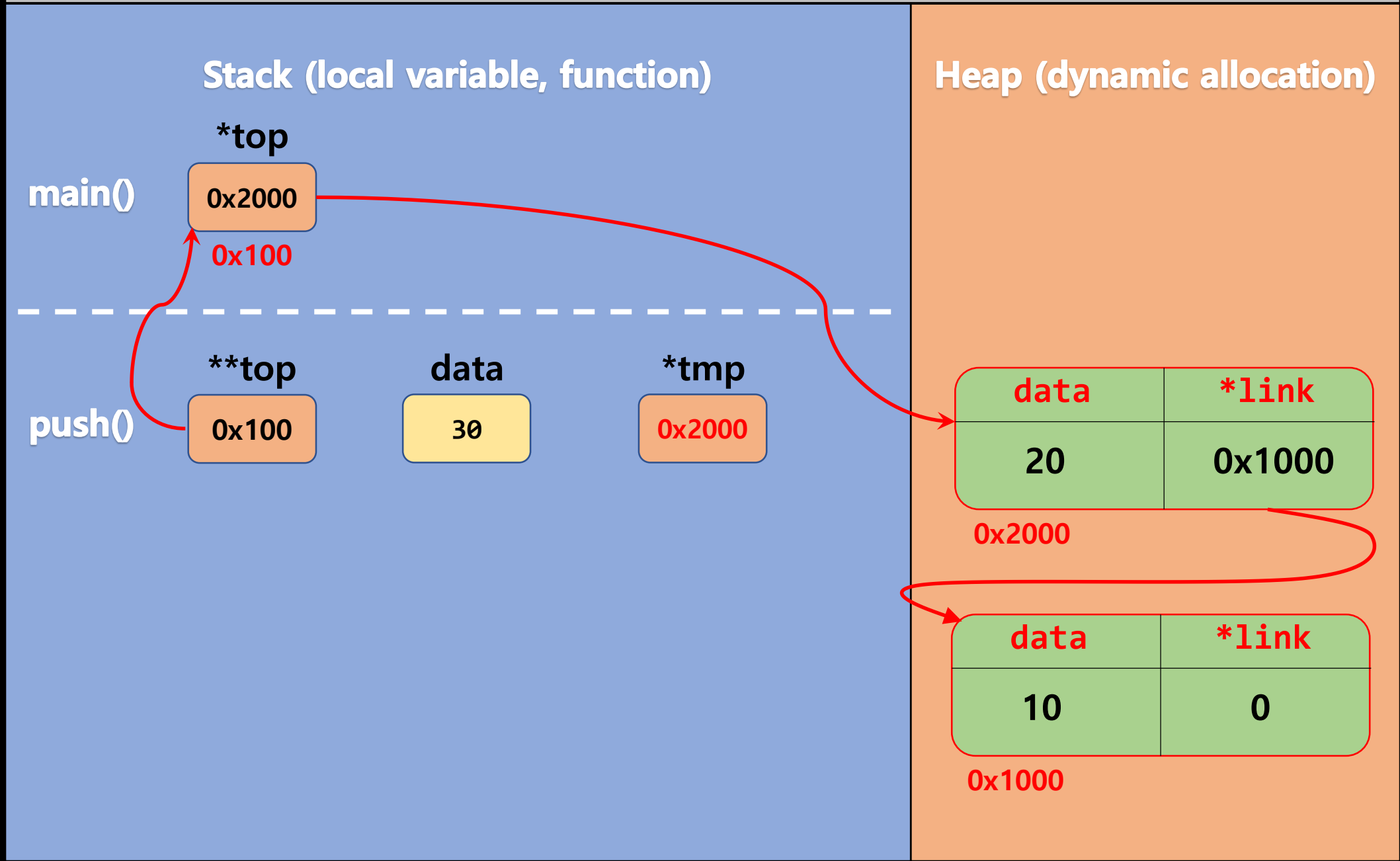


Data Struct

Stack

code)

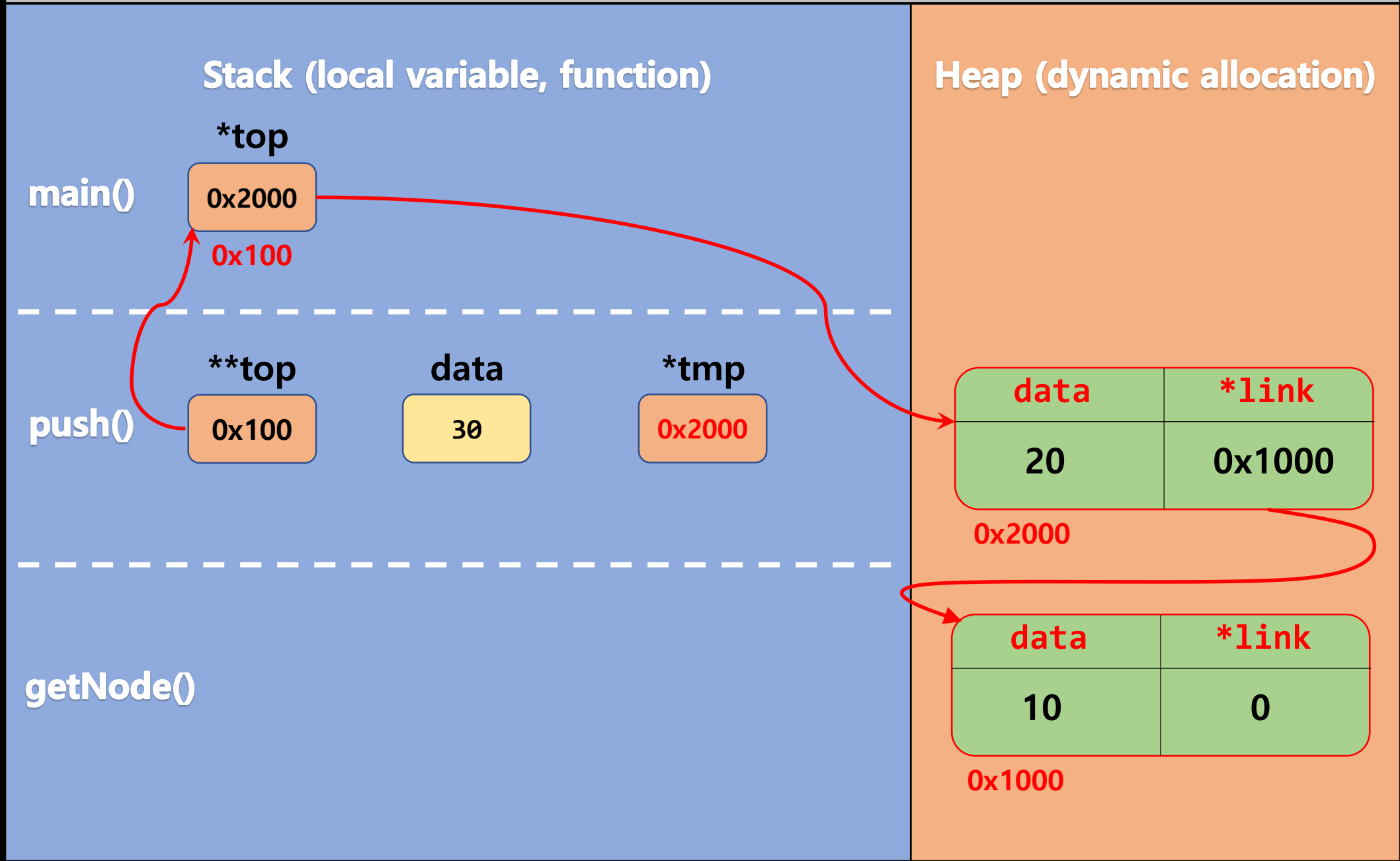
```
*top = getNode();
```



Data Struct

Stack

code) `*top = getNode();`

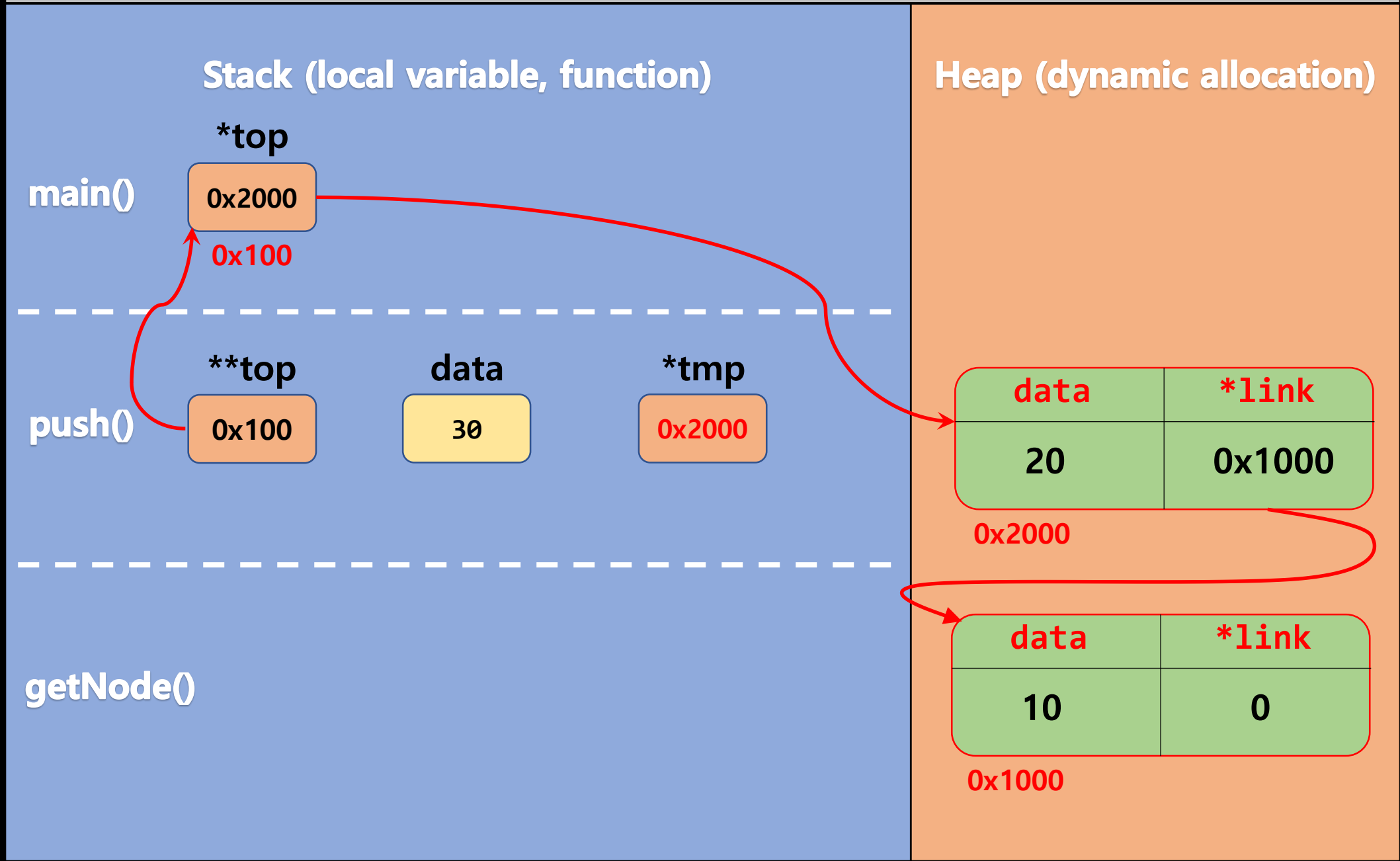


Data Struct

Stack

code)

```
Stack* newNode = (Stack*)malloc(sizeof(Stack));
```



Data Struct

Stack

code)

```
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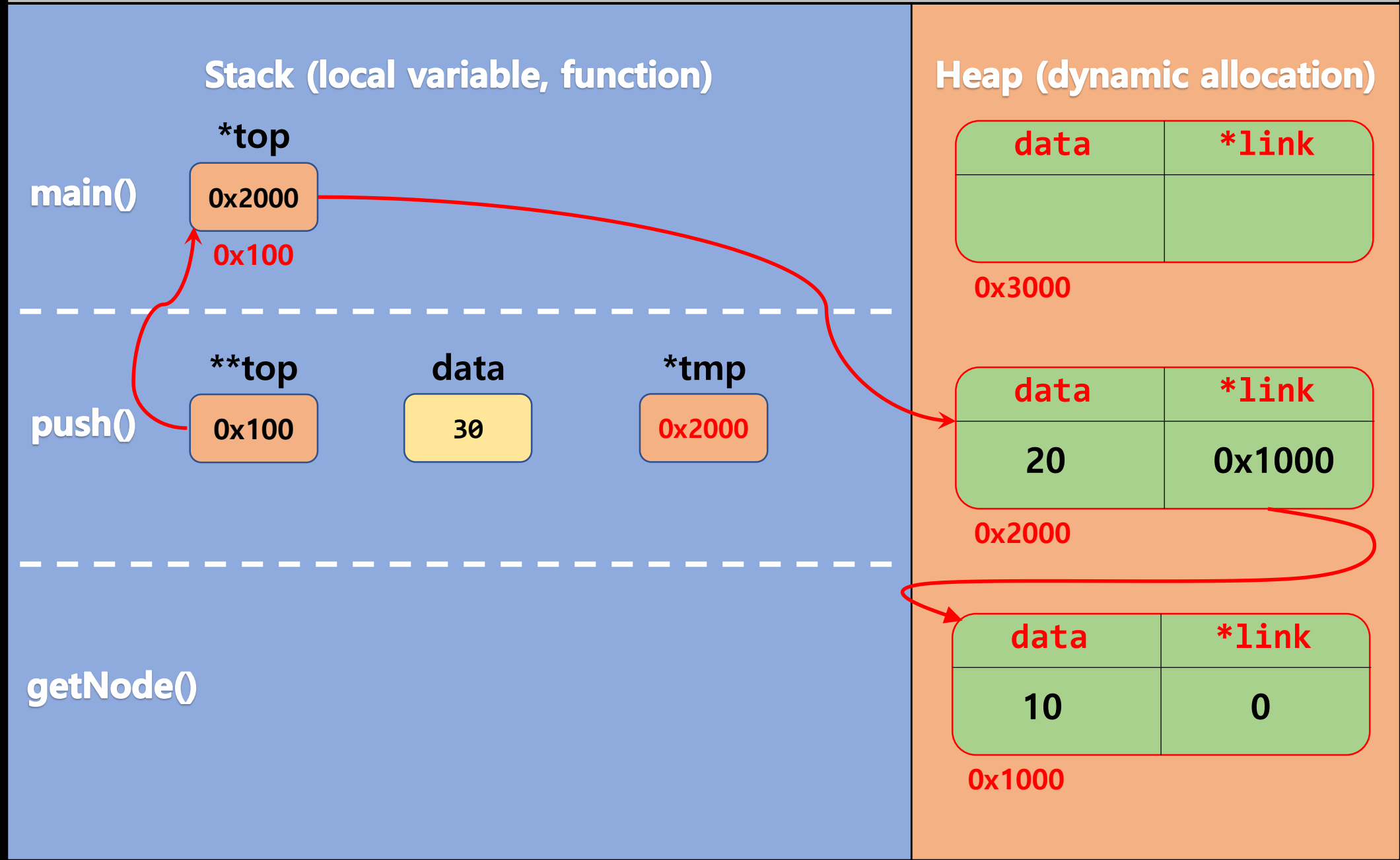
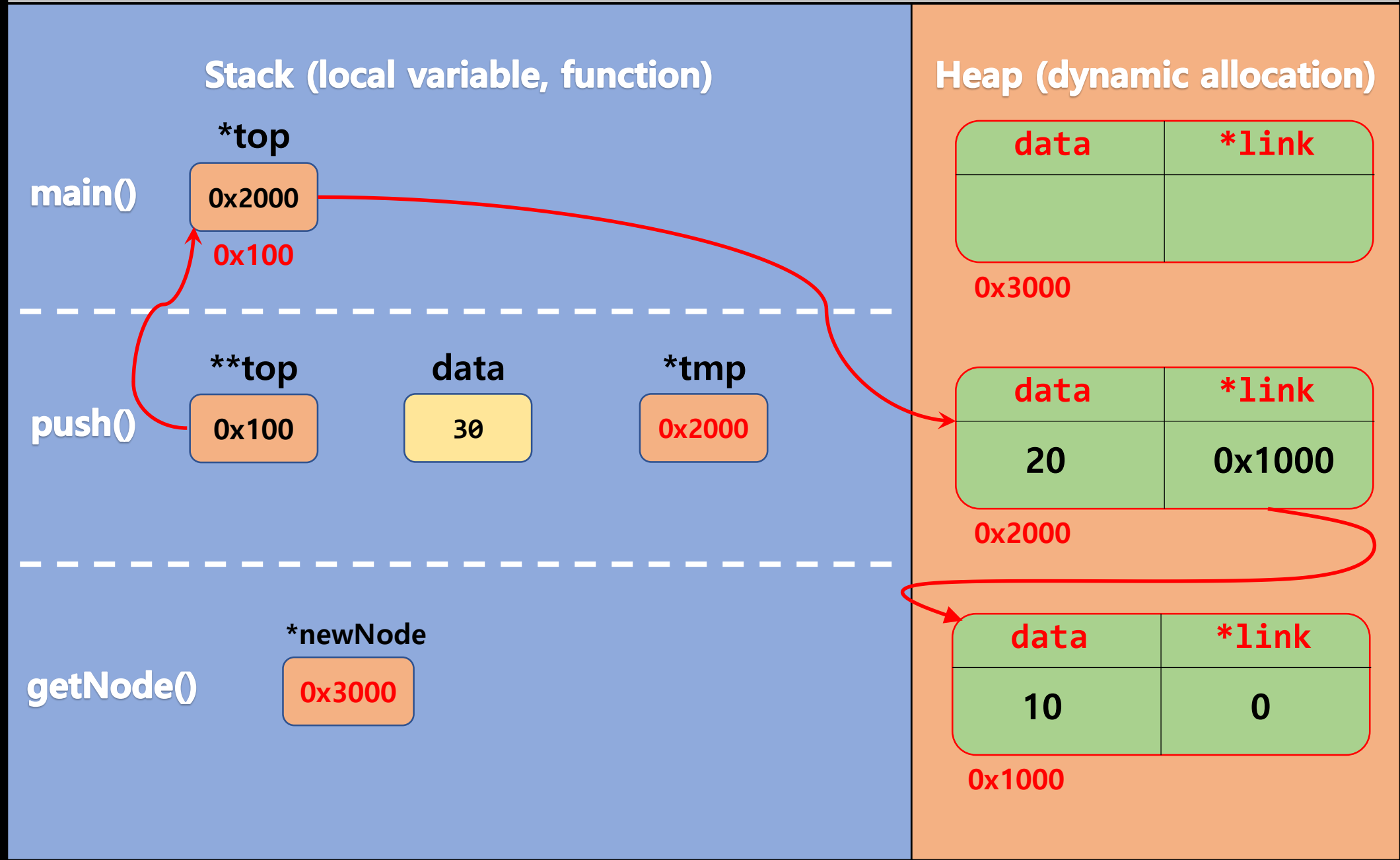
```



Data Struct

Stack

```
code)   Stack* newNode = (Stack*)malloc(sizeof(Stack));
```

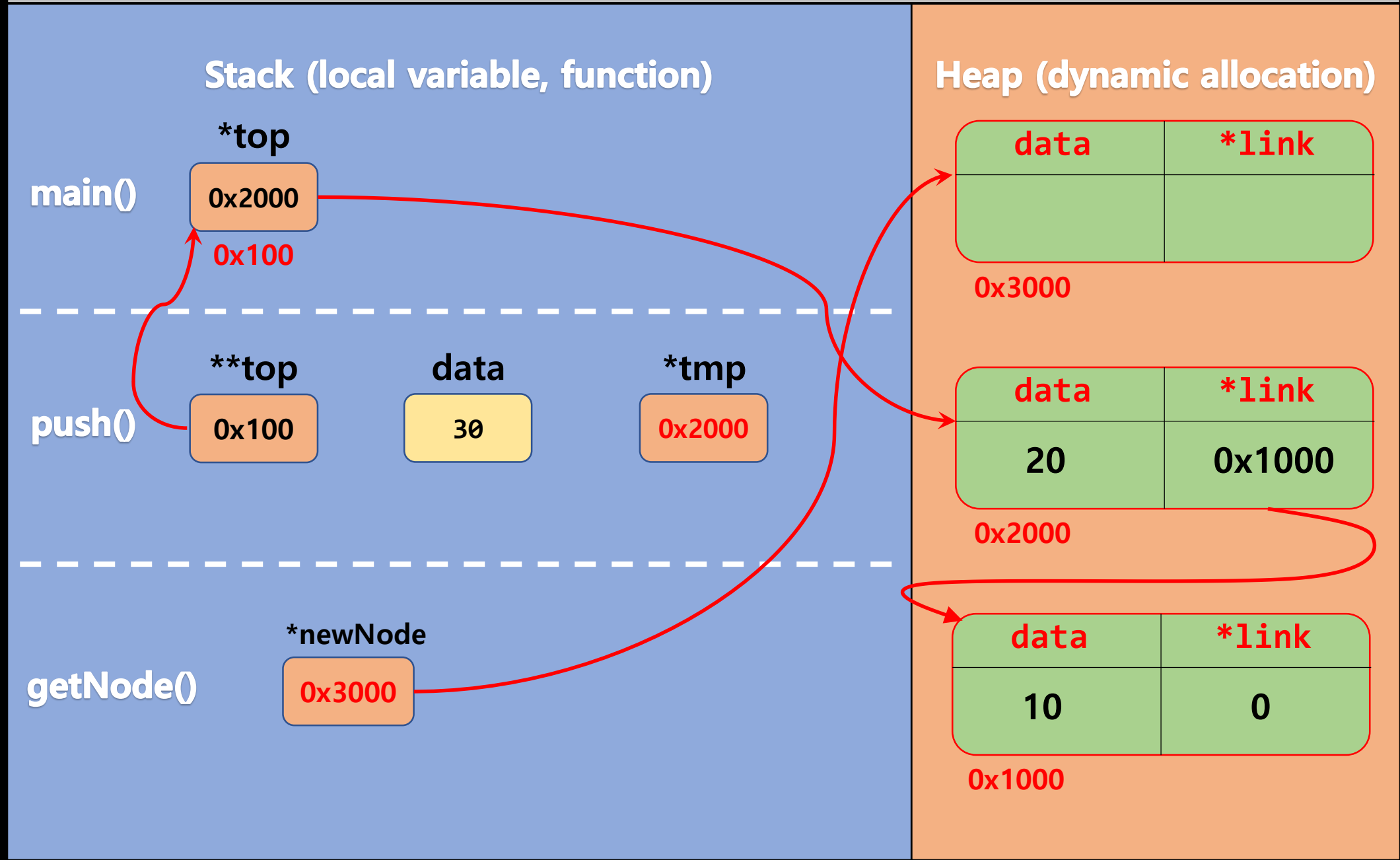


Data Struct

Stack

code)

```
Stack* newNode = (Stack*)malloc(sizeof(Stack));
```

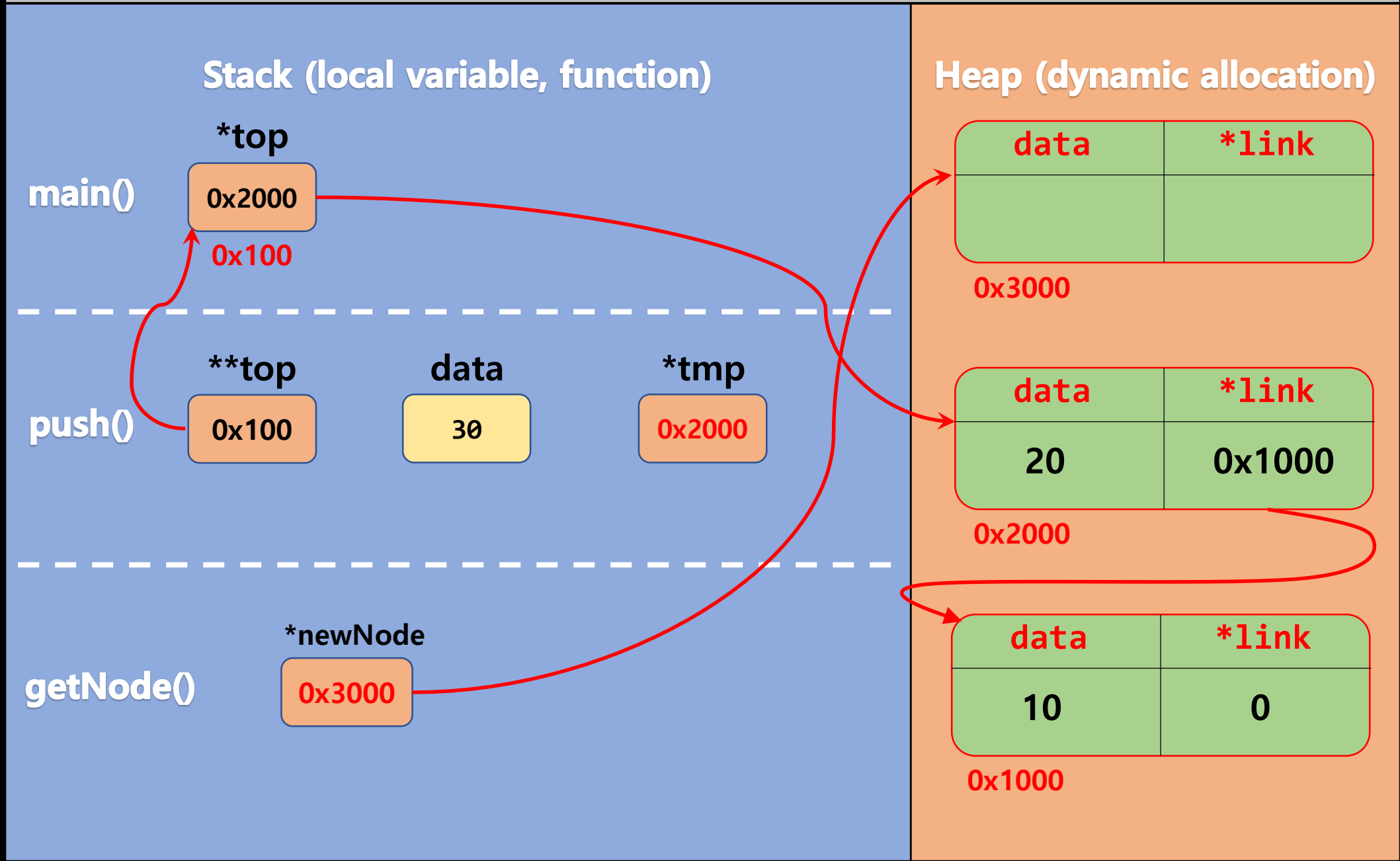


Data Struct

Stack

code)

```
newNode->link = NULL;
```



Data Struct

Stack

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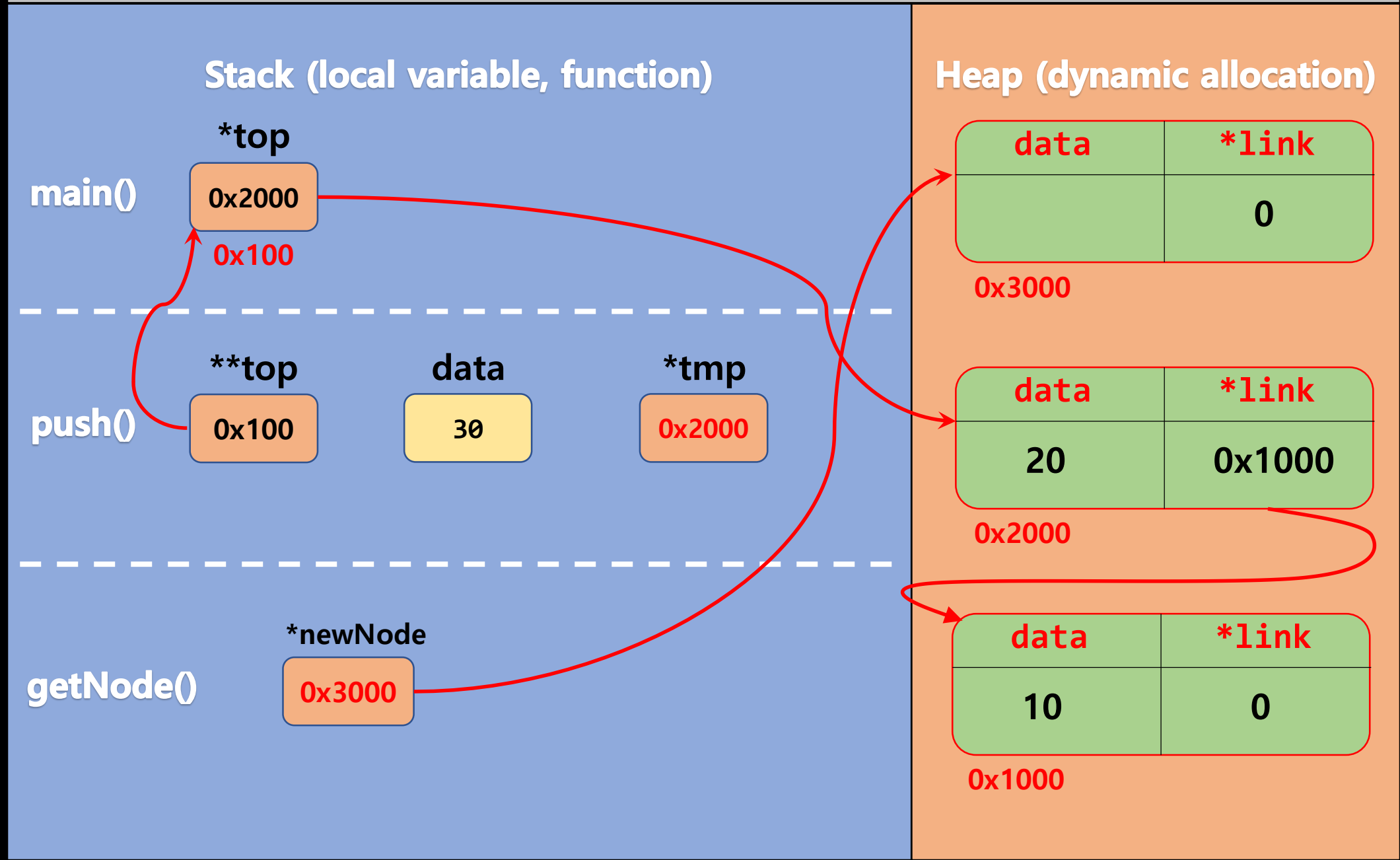
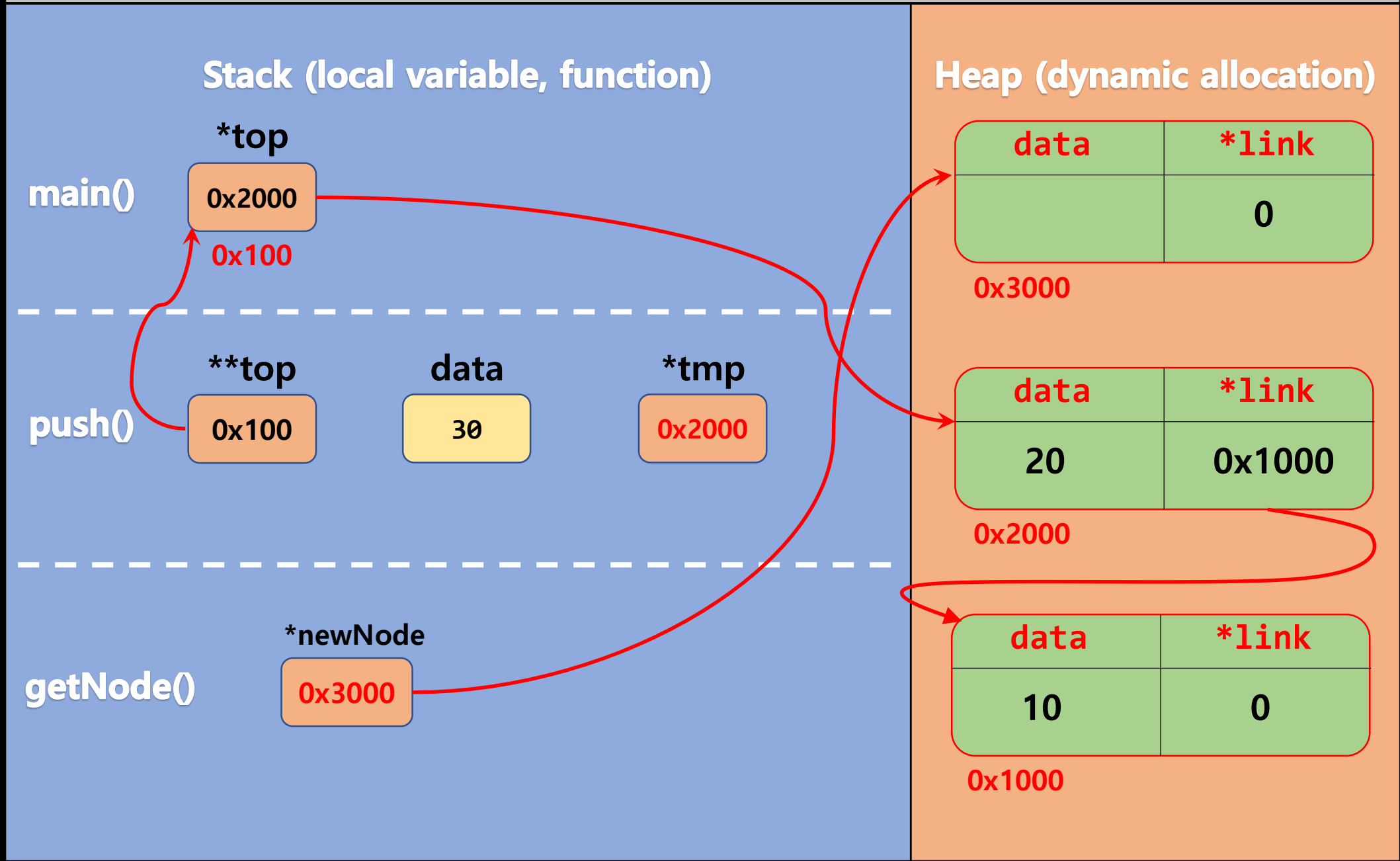


Data Struct

Stack

code)

```
return newNode;
```



Data Struct

Stack

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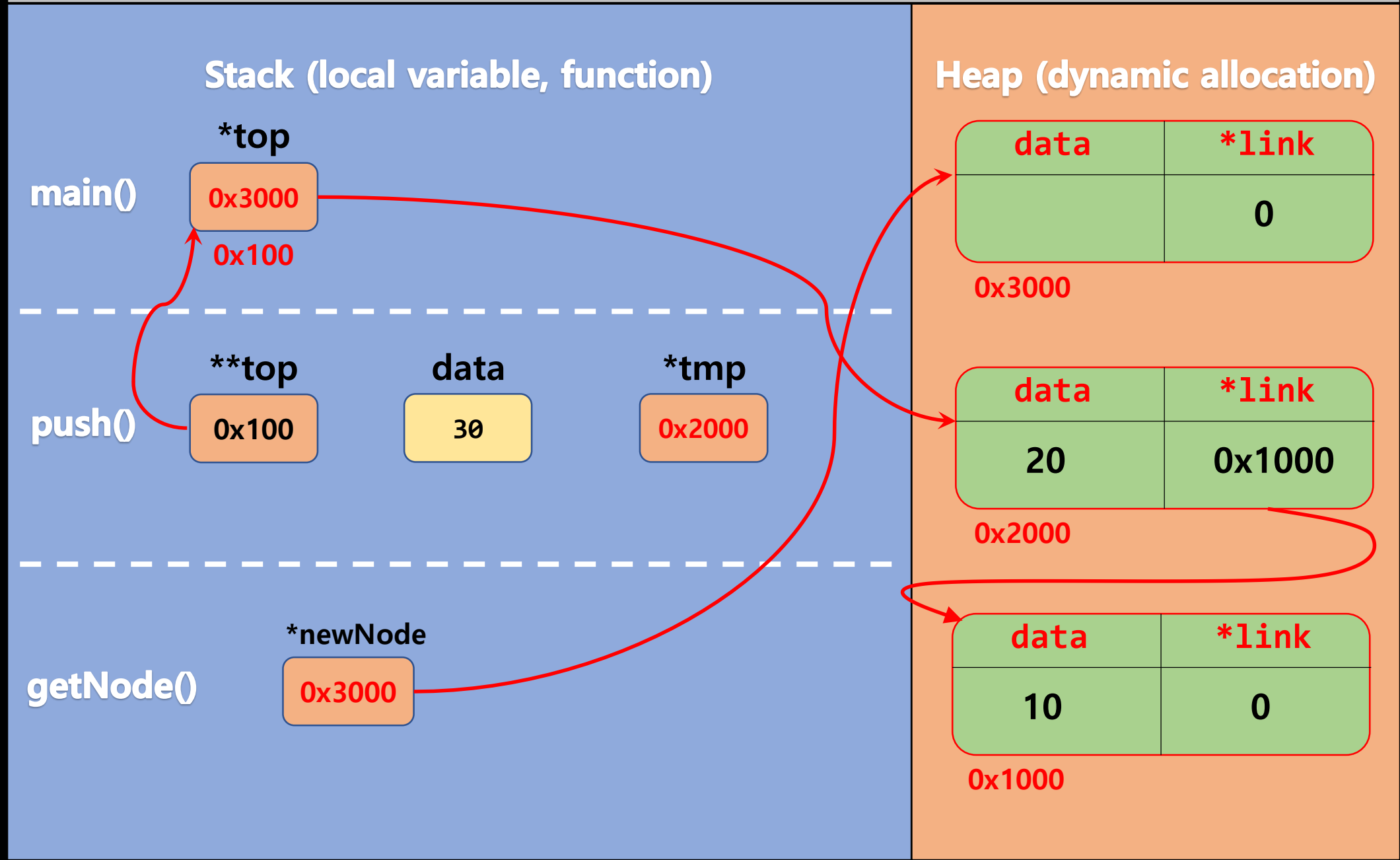

Data Struct

Stack

code)

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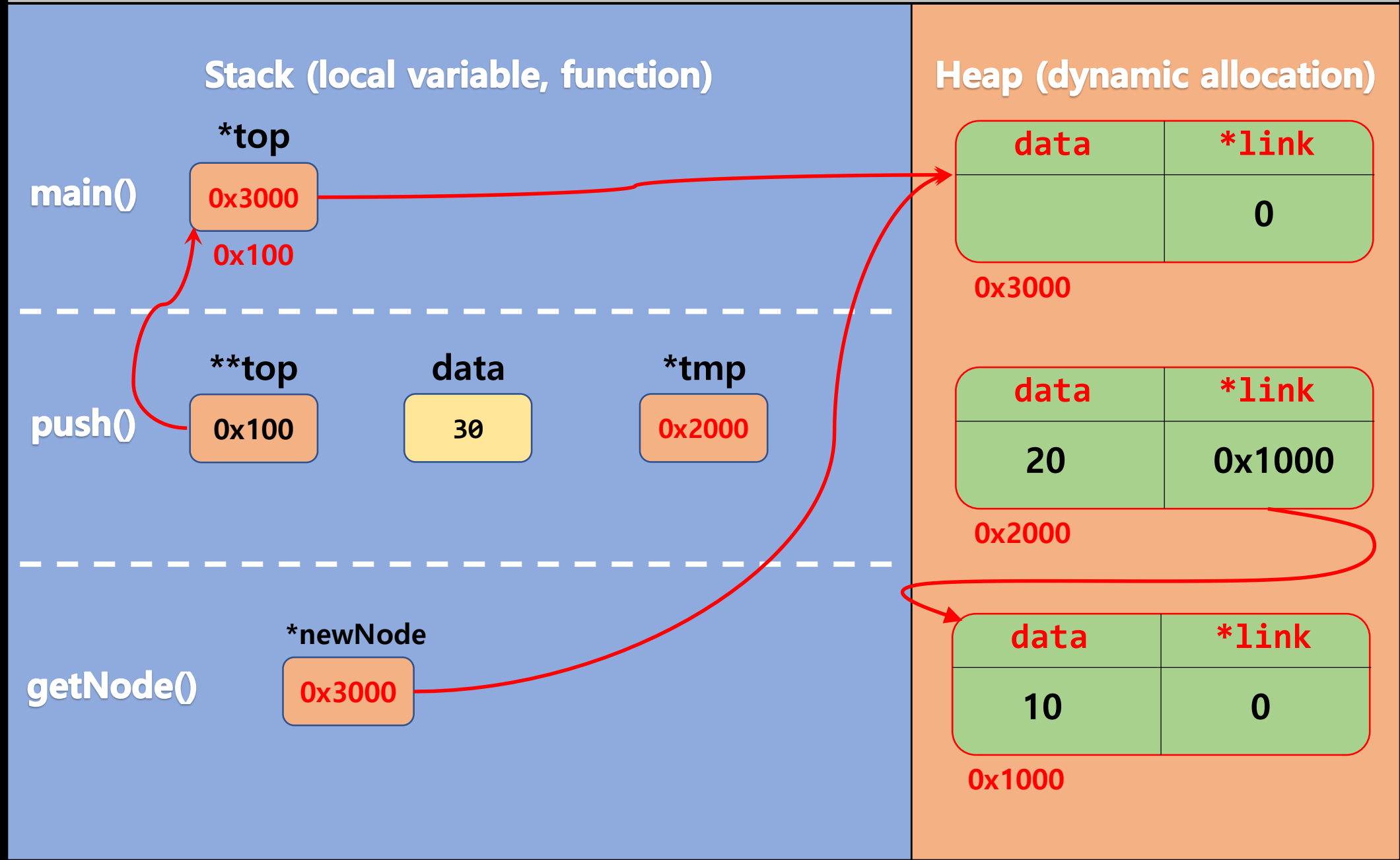

Data Struct

Stack

code)

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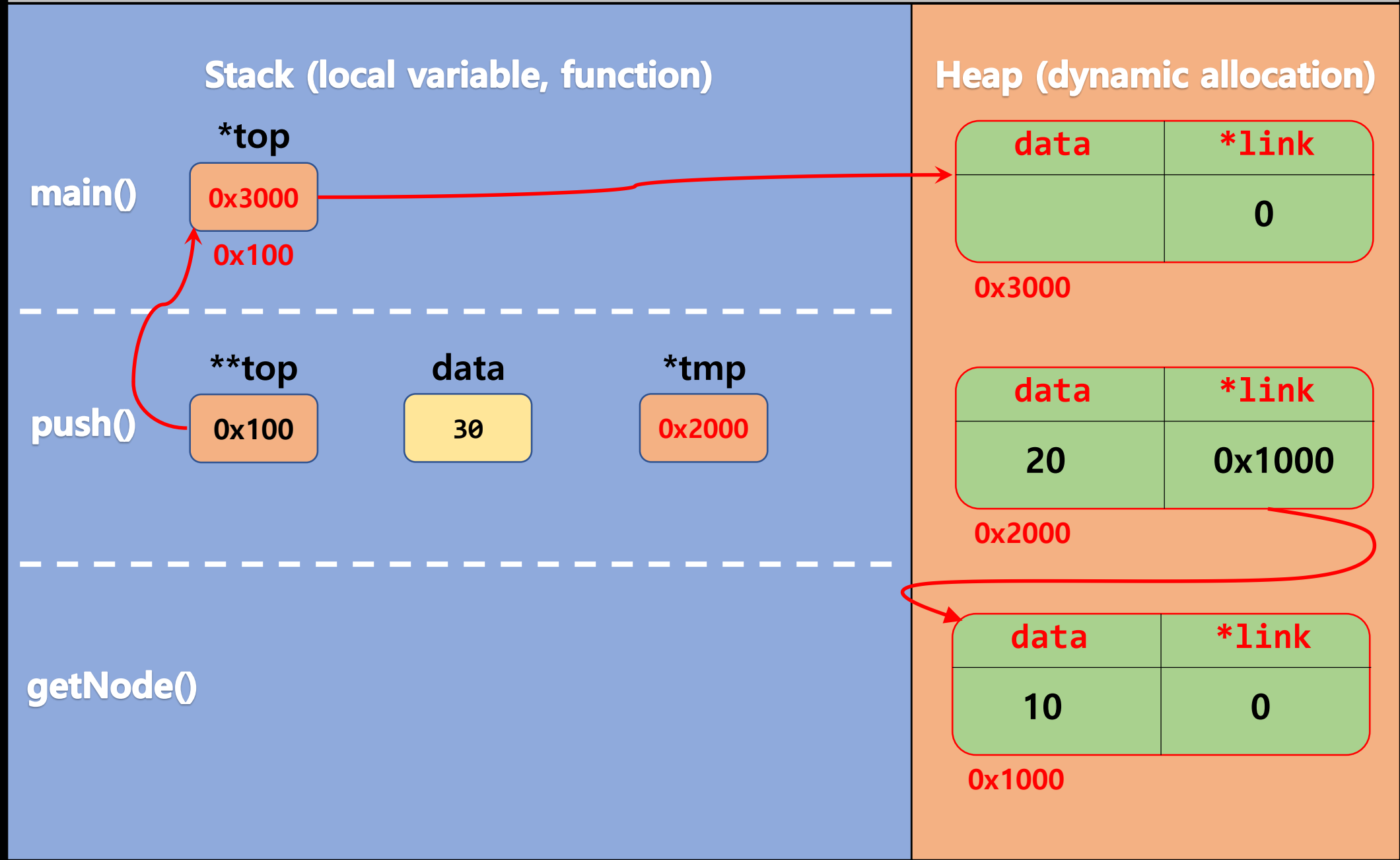

Data Struct

Stack

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```
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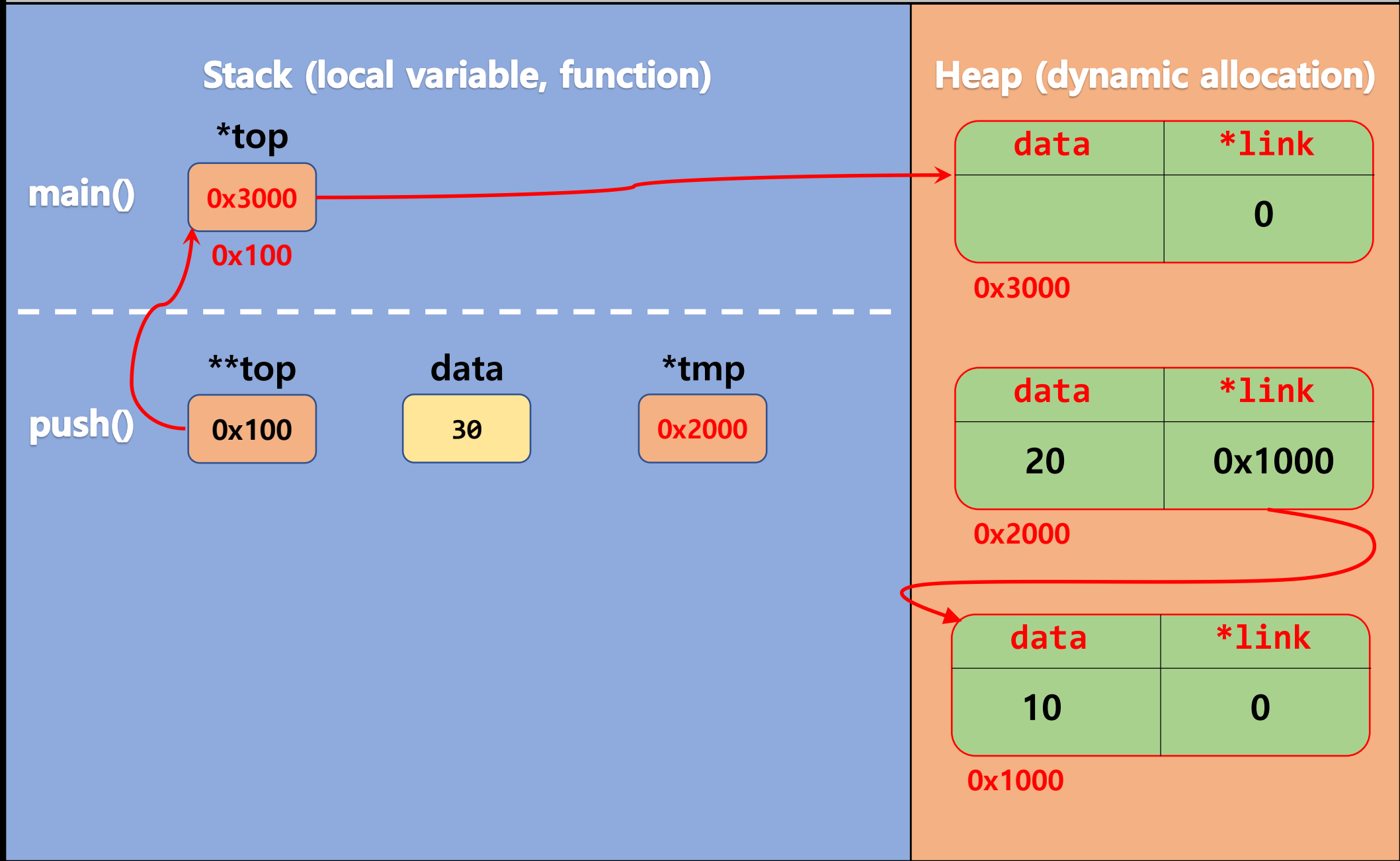
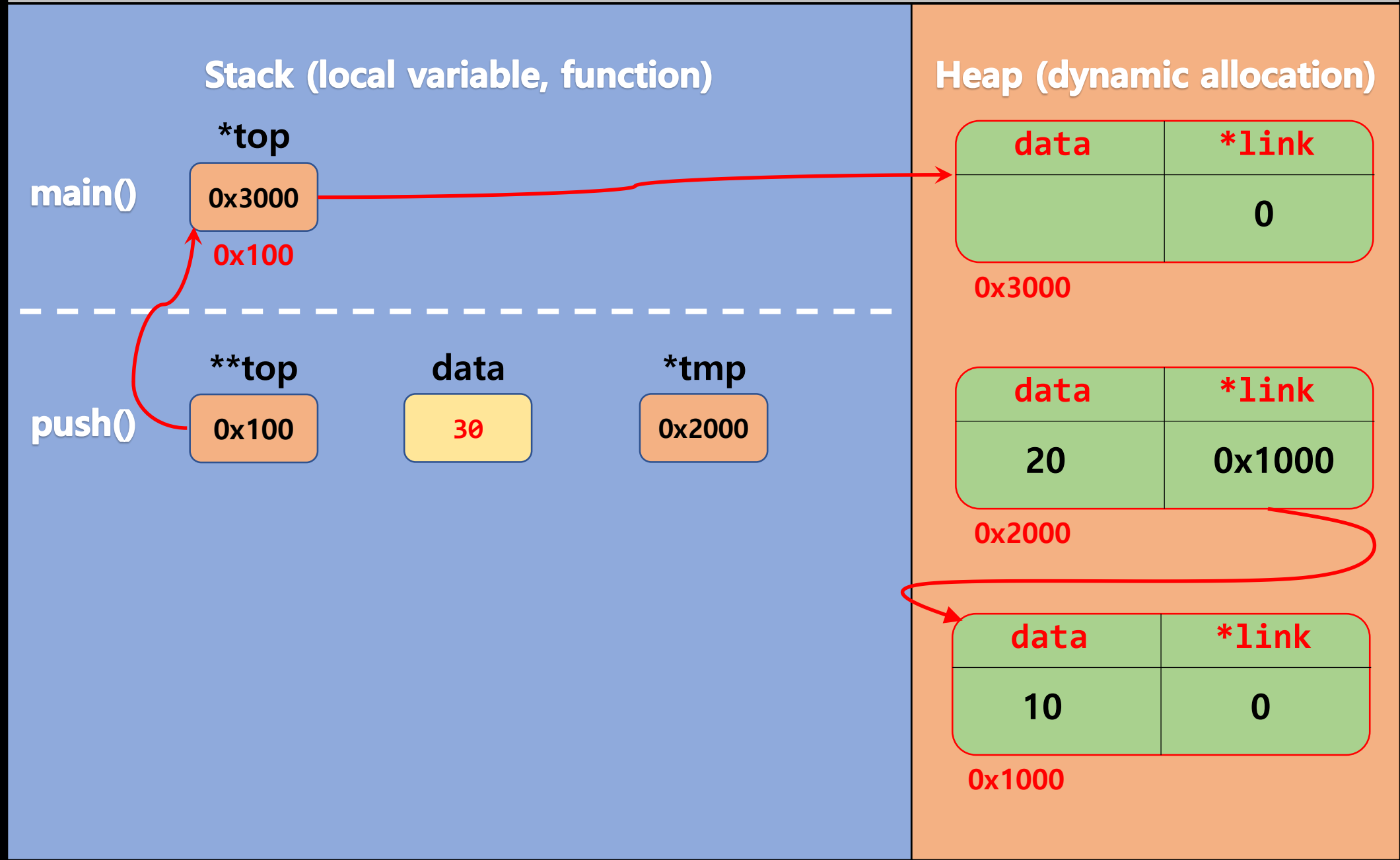


Data Struct

Stack

code)

```
(*top)->data = data;
```



Data Struct

Stack

code)

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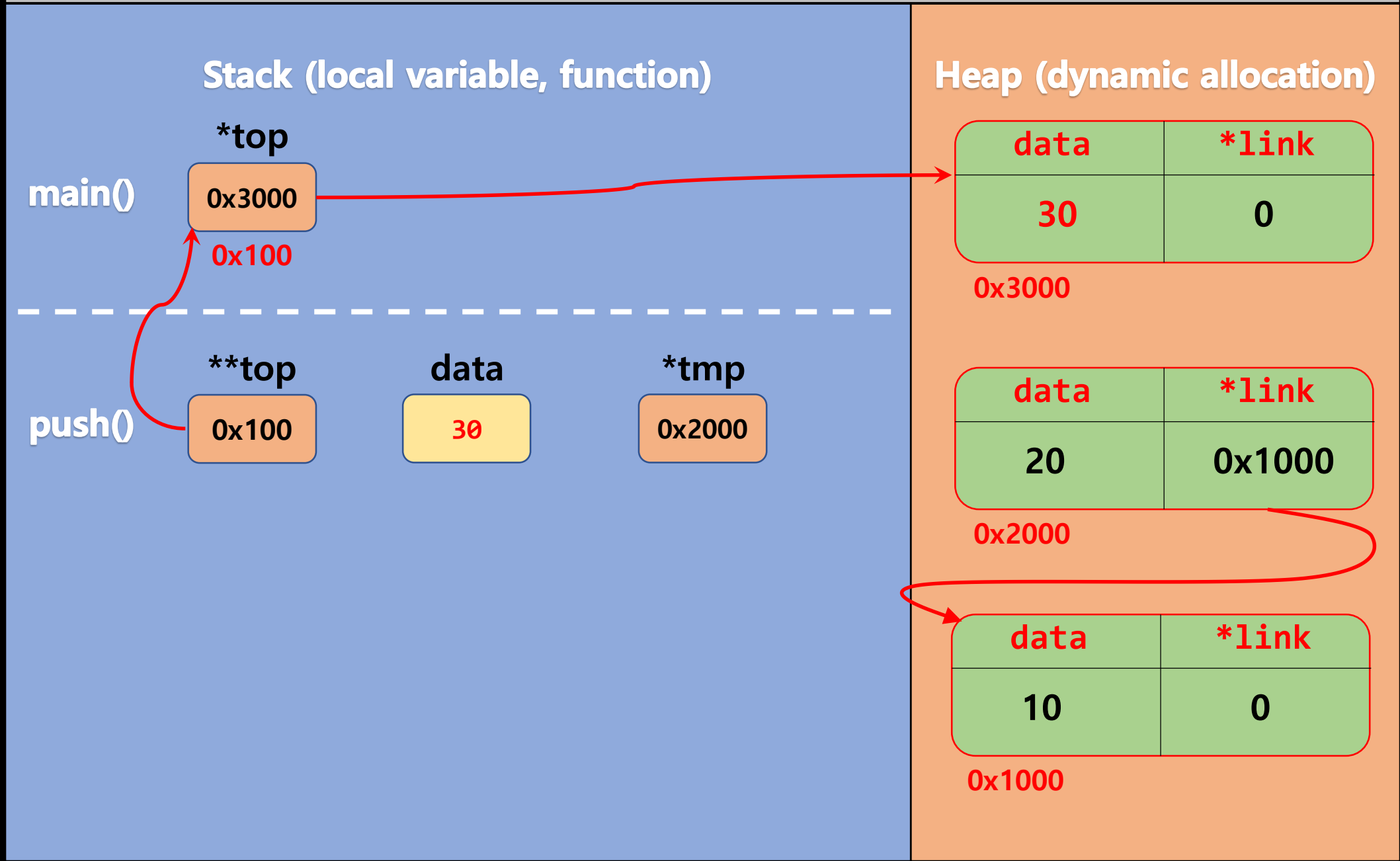
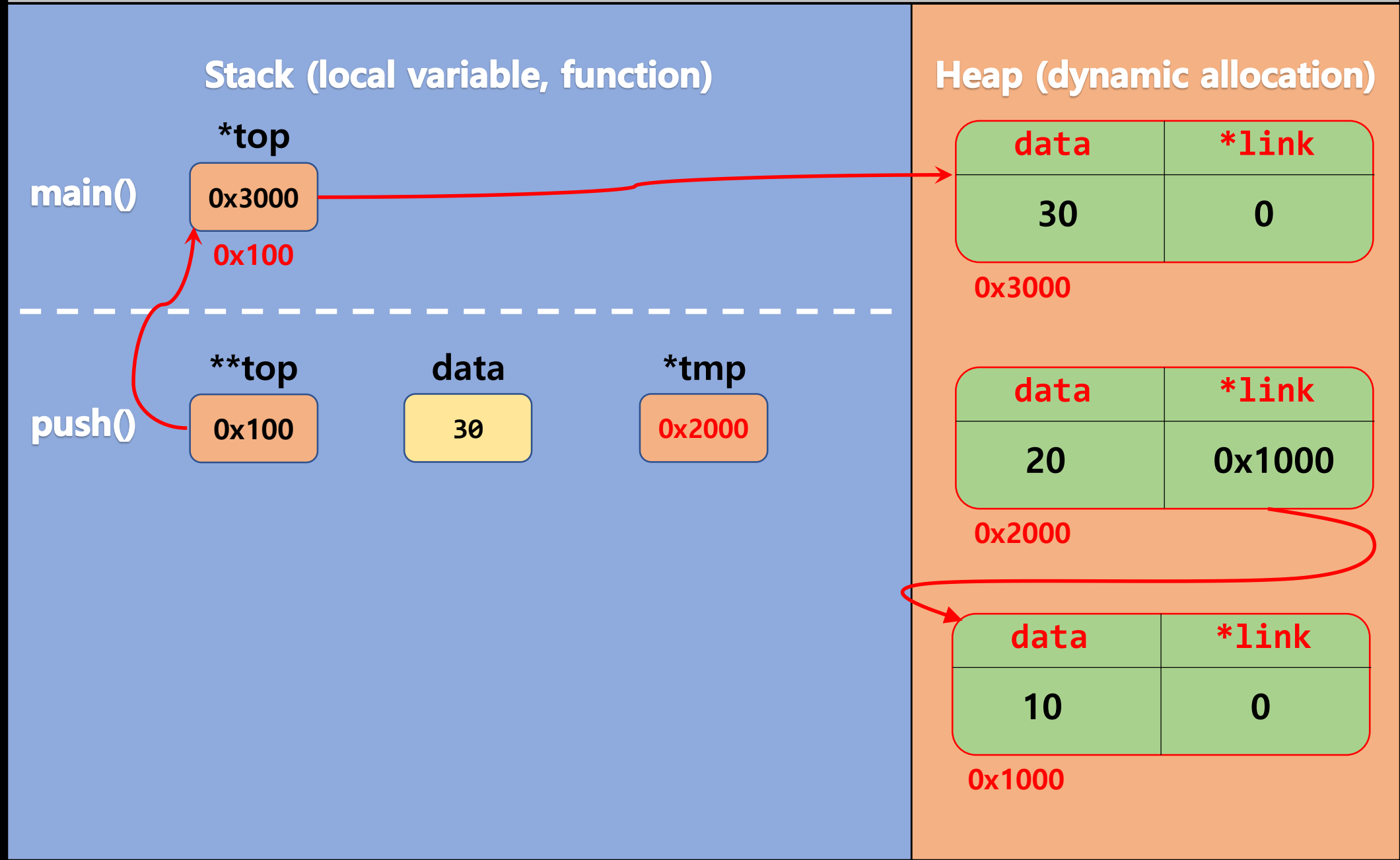


Data Struct

Stack

code)

```
(*top)->link = tmp;
```



Data Struct

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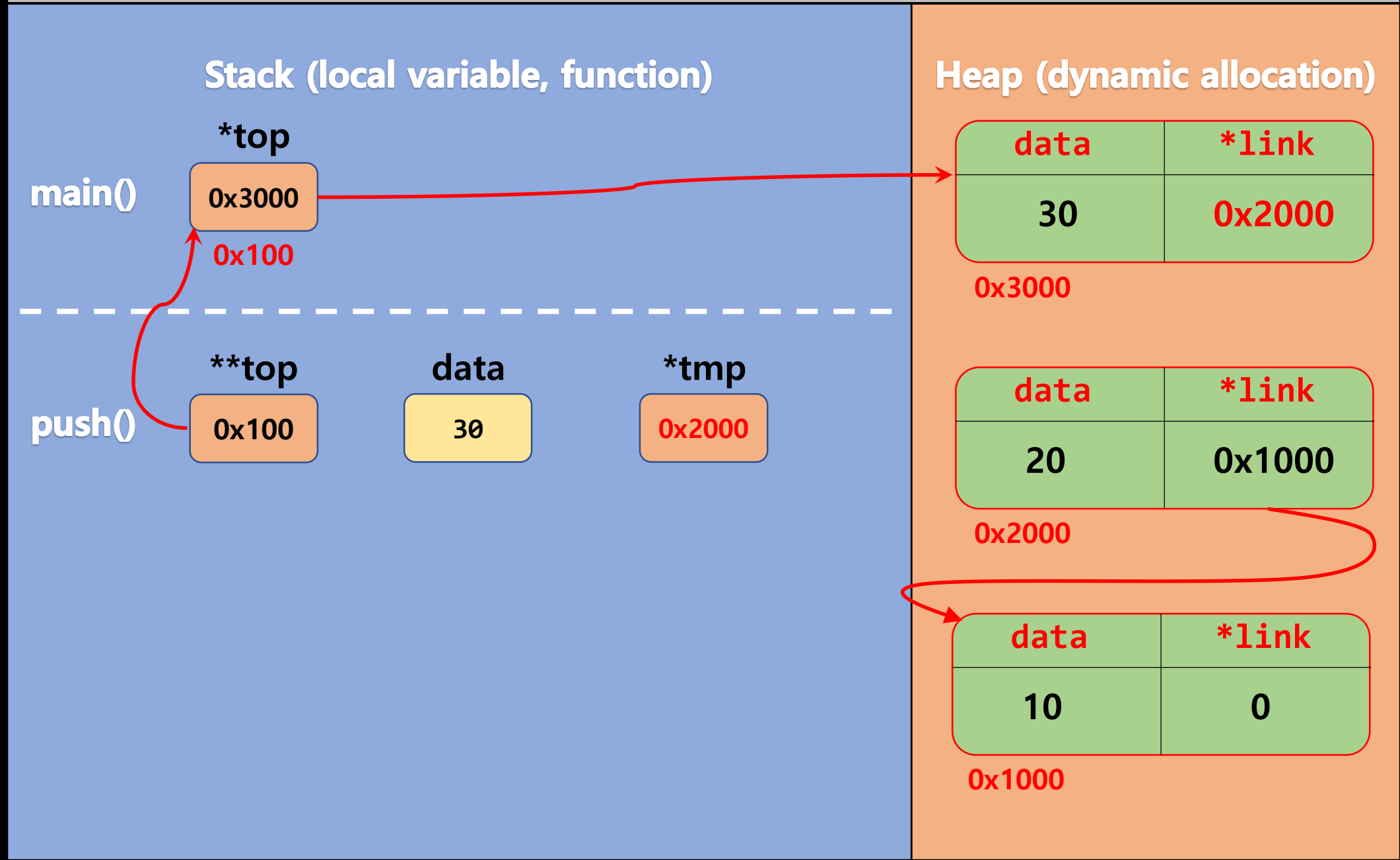

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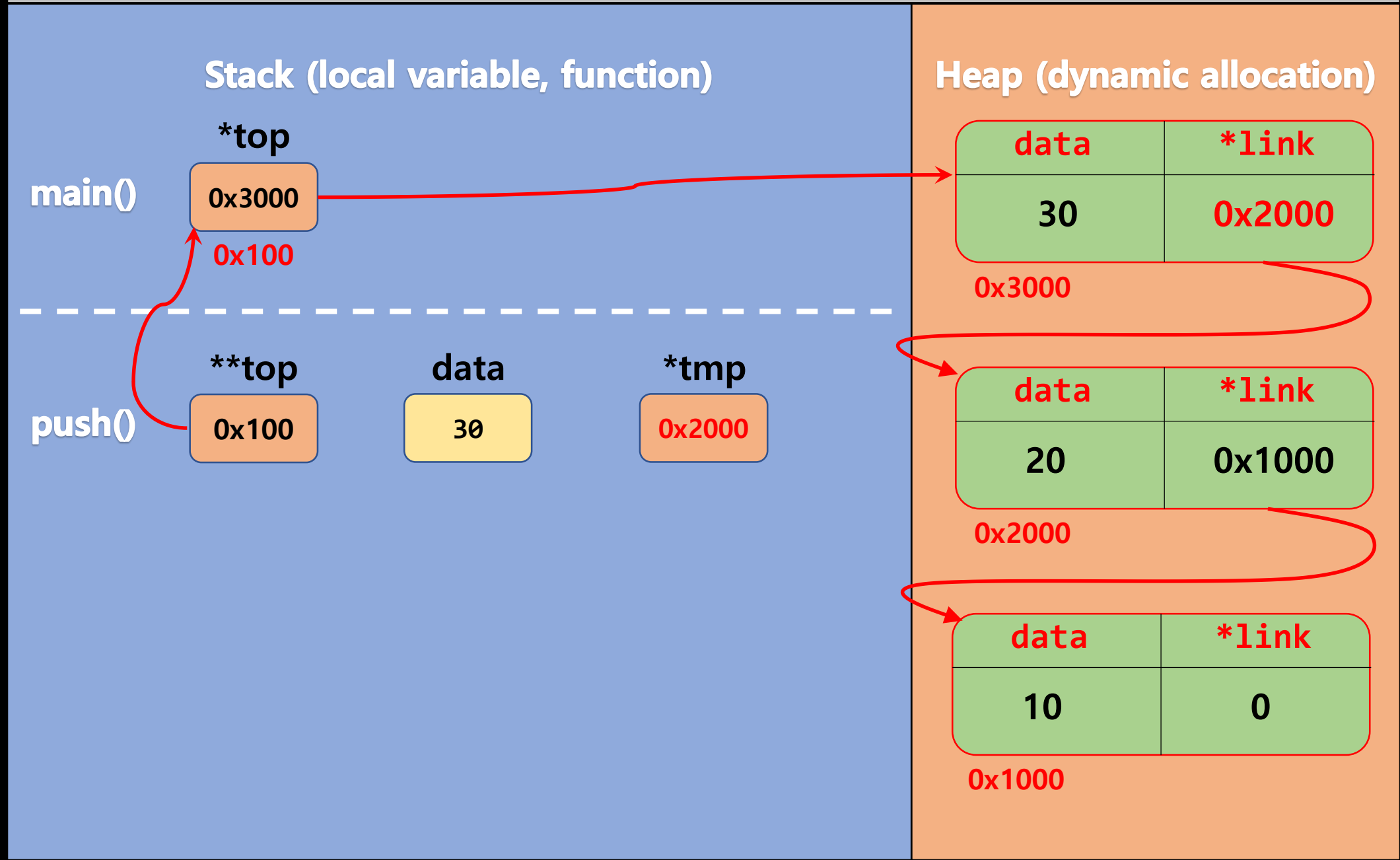

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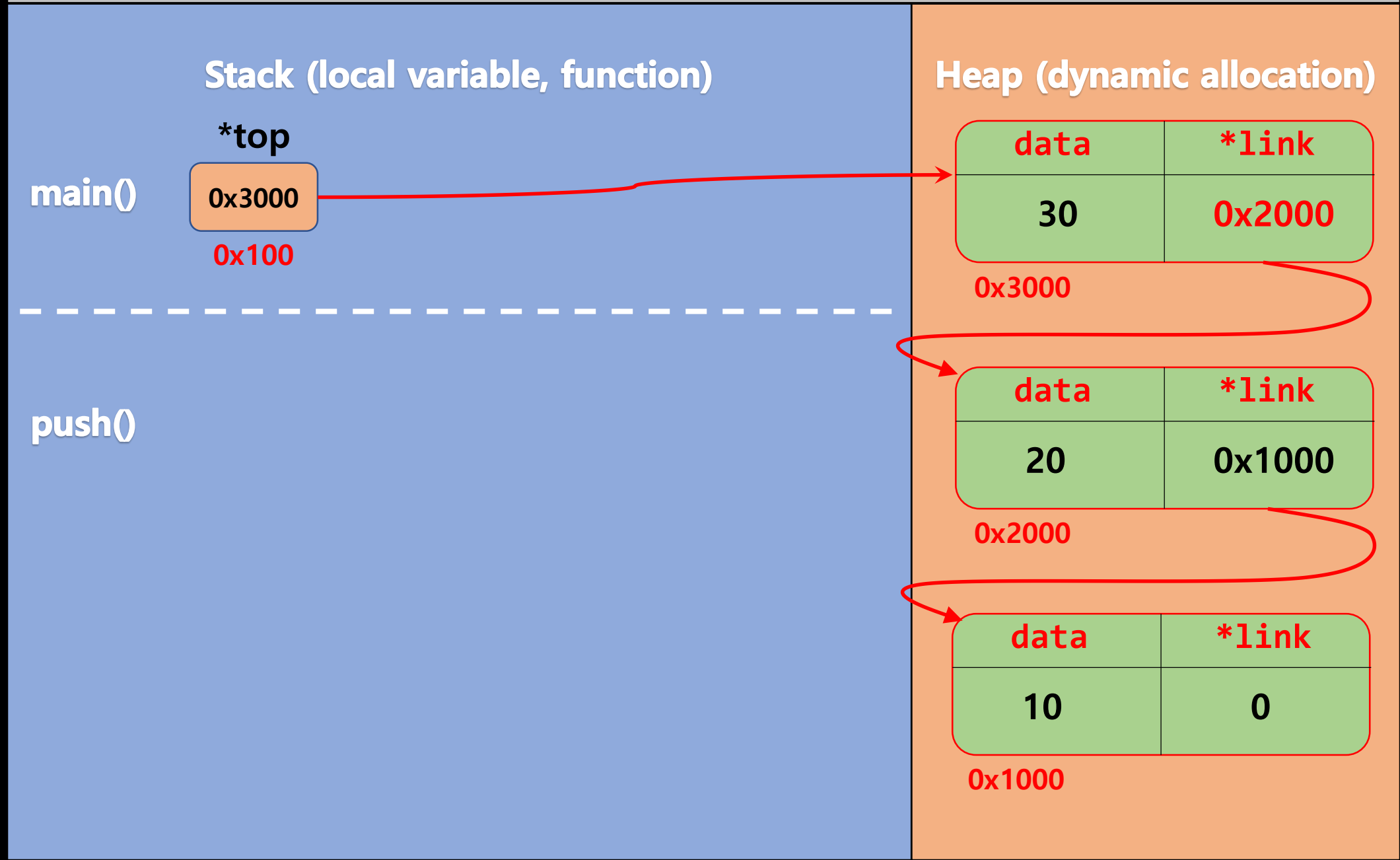

Data Struct

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