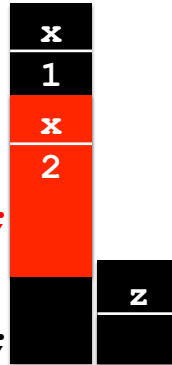# VARIABLE
SCOPE

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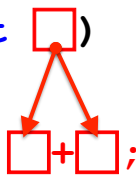Source: Wikimedia

Example 1

```
int x=1;
int f(int x)
{
    return x+x;
}
int z=f(x+1);
```
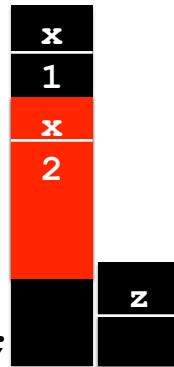
Example 1

```
int x=1;
int f(int   )
{
    return   +  ;
}
int z=f(x+1);
```
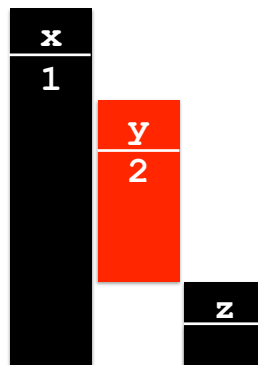
Example 2

```
int x=1;
int f(int x)
{
    return x+x;
}
int z=f(f(x+1));
```
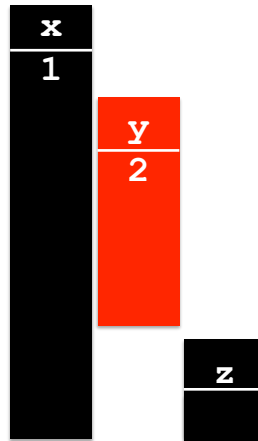
Example 3

```
int x=1;
int f(int y)
{
    return x+y;
}
int z=f(x+1);
```

Example 4

```
int x=1;
int f()
{
    int y=2;
    return x+y;
}
int z=f();
```

x
1

y
2

z

Example 5

```
int x=1;
int f()
{
    int x=2;
    return x+x;
}
int z=f();
```

x
1

x
2

z

Source: Pixabay