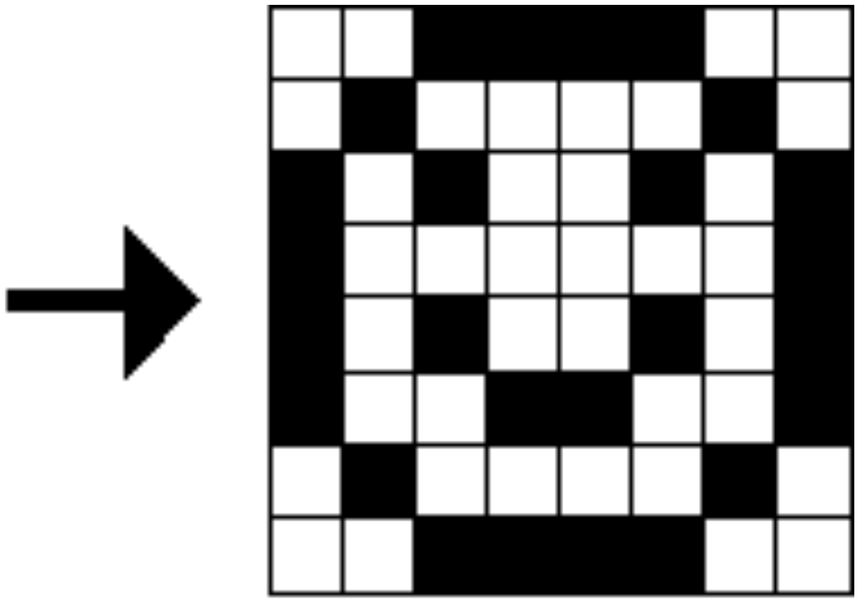
CS50x

CS50 Check

problem set 4

walkthrough

11000011
10111101
01011010
01111110
01011010
01100110
10111101
11000011



offset	type	name	
0	WORD	bfType	BITMAPFILEHEADER
2	DWORD	bfSize	
6	WORD	bfReserved1	
8	WORD	bfReserved2	
10	DWORD	bfOffBits	
14	DWORD	biSize	BITMAPINFOHEADER
18	LONG	biWidth	
22	LONG	biHeight	
26	WORD	biPlanes	
28	WORD	biBitCount	
30	DWORD	biCompression	
34	DWORD	biSizeImage	
38	LONG	biXPelsPerMeter	
42	LONG	biYPelsPerMeter	
46	DWORD	biClrUsed	
50	DWORD	biClrImportant	
54	BYTE	rgbtBlue	RGBTRIPLE
55	BYTE	rgbtGreen	
56	BYTE	rgbtRed	
57	BYTE	rgbtBlue	RGBTRIPLE
58	BYTE	rgbtGreen	
59	BYTE	rgbtRed	

...

243	BYTE	rgbtBlue	RGBTRIPLE
244	BYTE	rgbtGreen	
245	BYTE	rgbtRed	

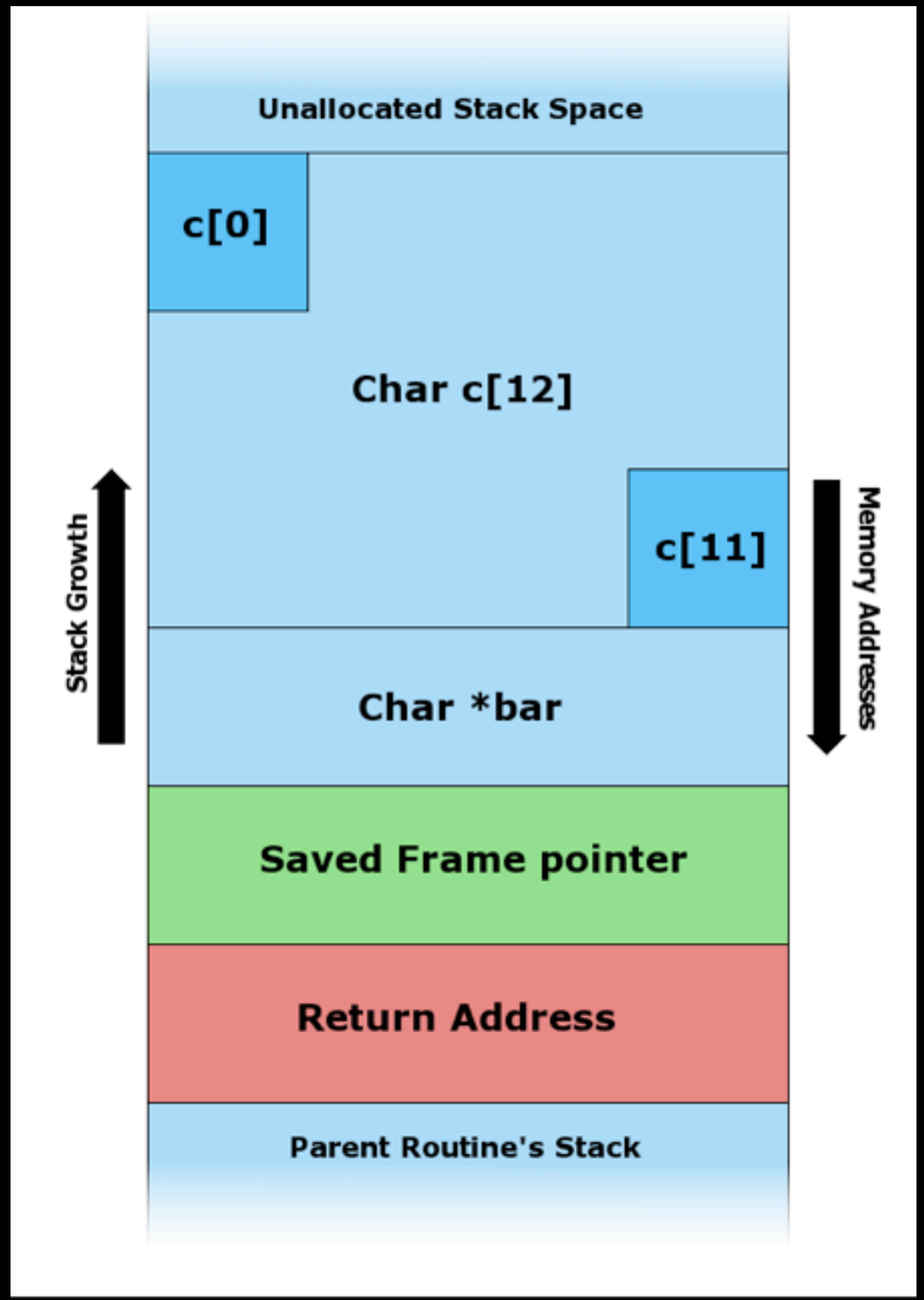
quiz 0

CS50 Library

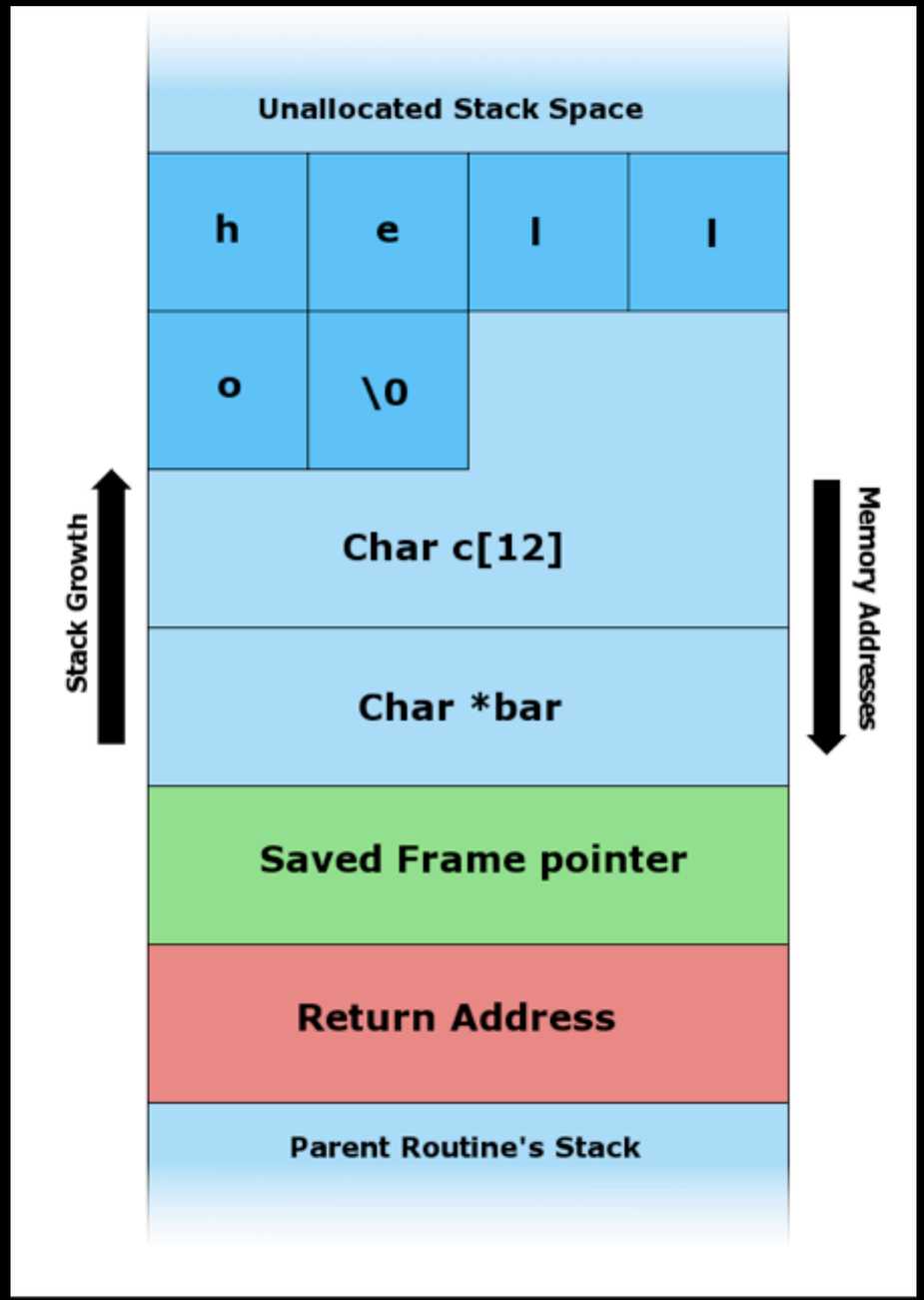
```
GetChar

GetDouble

GetFloat

GetInt

GetLongLong

GetString
```

```
#include <string.h>

void foo(char* bar)
{
   char c[12];

   memcpy(c, bar, strlen(bar) * sizeof(char));
}

int main(int argc, char* argv[])
{
   foo(argv[1]);
   return 0;
}
```

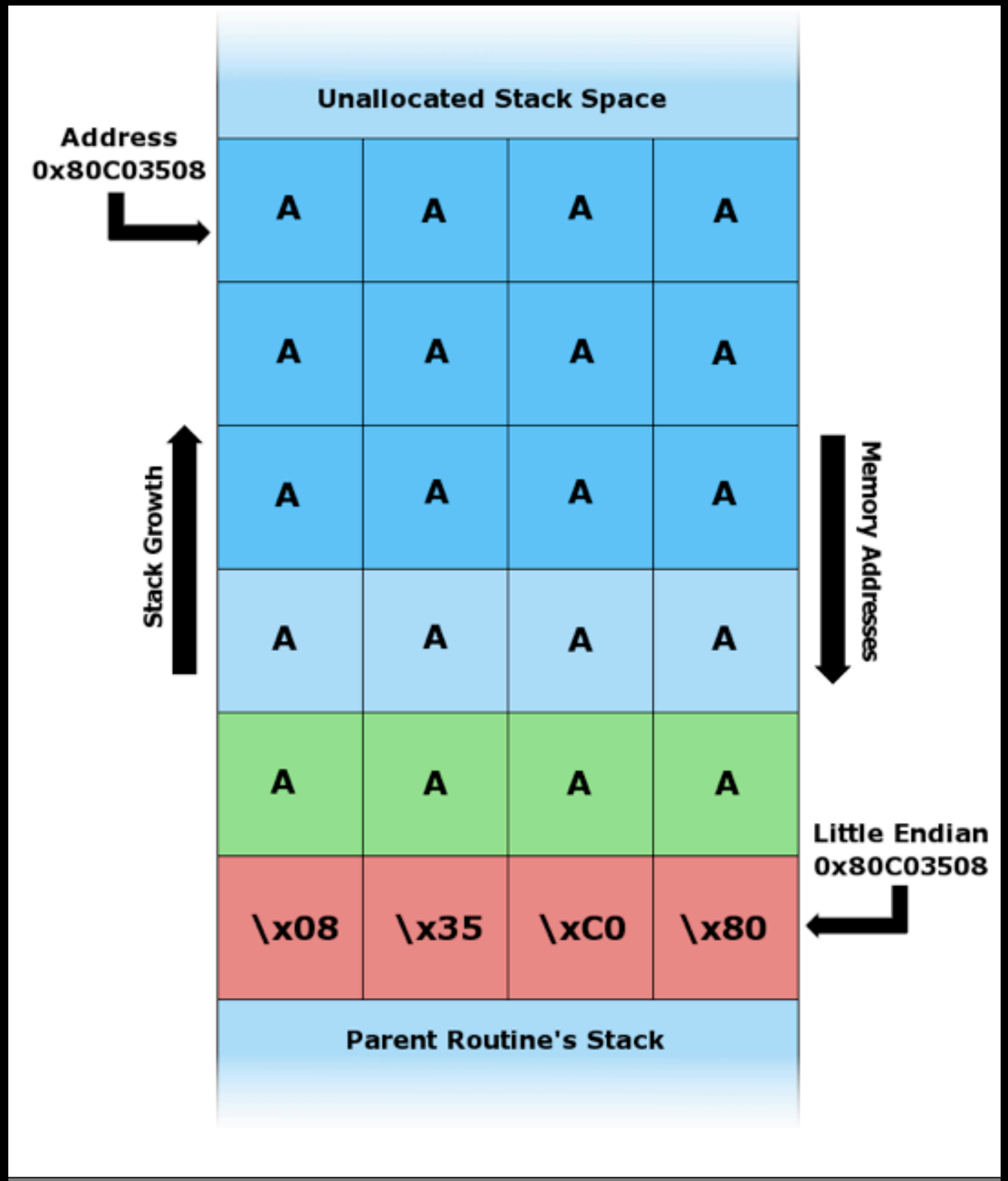
http://en.wikipedia.org/wiki/Stack_buffer_overflow



http://en.wikipedia.org/wiki/Stack_buffer_overflow



http://en.wikipedia.org/wiki/Stack_buffer_overflow



http://en.wikipedia.org/wiki/Stack_buffer_overflow

http://www.justcat.co.za/store/pc-accessories-c-1.html

to be continued...