|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Stack  Final View** | | Relative Addr | Absolute Addr | Stack value | Descriptions |  |
|  | ?? | ?? | ?? | startup  stack  frame |
|  |  |  | FA9h | ?? | ?? |
|  |  | BP+Ah | FA6h | ?? | Return Obj (int) | Main stack  frame |
|  |  | BP+5h | FA1h | ?? | func return addr |
|  |  | BP | F9Ch | ?? | previous frame addr |
|  |  | BP-4 | F98h | ?? | val |
|  |  | BP+Ah | F94h | ?? | Return obj(long) | Ready stack  frame |
|  |  | BP+5h | F8Fh | AB4h | func return addr |
|  |  | BP | F8Ah | F9Ch | previous frame addr |
|  |  | BP-4 | F86h | ?? | res |
|  |  | BP+12h | F82h | ?? | Return Obj (long) | gcd stack  frame 1 |
|  |  | BP+Eh | F7Eh | 96L | y |
|  |  | BP+Ah | F7Ah | 128L | x |
|  |  | BP+5h | F75h | 108h | func return addr |
|  |  | BP | F70h | F8Ah | previous frame addr |
|  |  | BP+12h | F6Ch | ?? | Return Obj (long) | gcd stack  frame 2 |
|  |  | BP+Eh | F68h | 32L | x%y |
|  |  | BP+Ah | F64h | 96L | y |
|  |  | BP+5h | F5Fh | 7C0h | func return addr |
|  |  | BP | F5Ah | F70h | previous frame addr |
|  |  | BP+12h | F56h | ?? | Return Obj (long) | gcd stack  frame 3 |
|  |  | BP+Eh | F52h | 0L | x%y |
|  |  | BP+Ah | F4Eh | 32L | y |
| BP | F44h | BP+5h | F49h | 7C0h | func return addr |
| SP | F44h | BP | F44h | F5Ah | previous frame addr |

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course: C/C++ Programming II : Dynamic Memory and File I/O Concepts

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file: C2A2E3\_StackFrames.pdf

This file demonstrates the stack frame of the program given in exercise3 of assignment2