a. Setting break points for main and subitdwn

**A screenshot of a computer

Description automatically generated with medium confidence**

**disassembling main and subitdwn**

**Main**

Graphical user interface, text

Description automatically generated

**Subitdwn**

**Graphical user interface, text

Description automatically generated**

b.

**Graphical user interface

Description automatically generated with low confidence**

**Text

Description automatically generated**

**va11 is stored at [rbp-0x4]**

**va12 is stored at [rbp-0x8]**

**va13 is stored at [rbp-0xc]**

**val4 is stored at [rbp-0x10]**

c.

Text

Description automatically generated

**EDX passes val1**

**EAX passes val2**

**ECX passes val3**

d.

**Text

Description automatically generated**

****

**val1 is stored in edx**

**val2 is stored in esi**

**val3 is stored in edi**

e.

****

****

**The register that contains the return value is EAX.**

f.

A picture containing text, scoreboard, plaque

Description automatically generated

**The function arguments are stored at:**

**[rbp-0x14] for edi (val3)**

**[rbp-0x18] for esi (val2)**

**[rbp-0x1c] for edx (val1)**

**Before executing ret and returning to main**

**Text

Description automatically generated**



**After executing ret and returning to main**

A picture containing text

Description automatically generated

