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Part 2 Questions:

1) How many times does your program stop at breakpoint location Q1?

9 times

2) What is the string stored in memory beginning at the address contained in rsp when the program stops at breakpoint location Q2? What are the hex values of the 8 bytes stored in memory beginning at the address contained in rsp (provide your answer as a space separated list of 2-digit hex values, e.g., 12 34 56 78 9a bc de f0)?

The string stored is "Eb|Q.7[" and the hex values stored are (45 62 7c 51 2e 5b 00)

3) When the program stops at breakpoint location Q3, what is the hex value contained in the ebx register?

0xd20d20d3

4) When the program stops at breakpoint location Q4, what are the hex values of the 8 bytes stored in memory beginning at the address contained in rsp (provide your answer as a space separated list of 2-digit hex values, e.g., 12 34 56 78 9a bc de f0)?

1b 70 af 80 da a3 aa 00

5) When the program stops at breakpoint location Q5, what are the hex values of the 8 bytes stored in memory beginning at the address contained in rsp (provide your answer as a space separated list of 2-digit hex values, e.g., 12 34 56 78 9a bc de f0)?

7b 6e 89 8f 82 2e 69 00

6) When the program stops at breakpoint location Q6, what is the hex value contained in the rax register?

0xfffffffffffffff2

7) When the program stops at breakpoint location Q7, what is the hex value contained in the rip register?

0x3c

8) What is the output of the program (you may include the username that you entered if you wish, though it is not, strictly speaking, output)?

picDCTF{1_h0pe_y0u_c0mP1l3d_tH15_3205858729}
LhOgJiPiCiOcJg