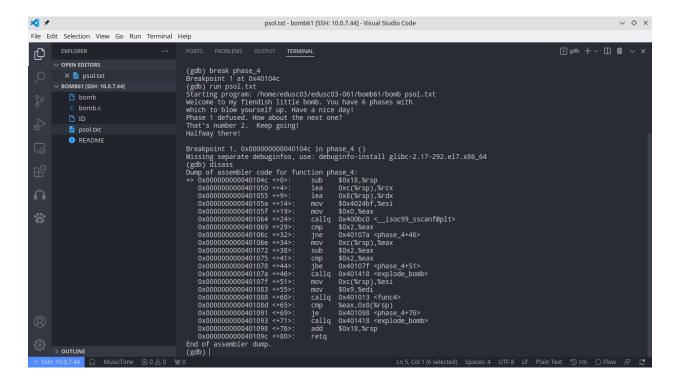
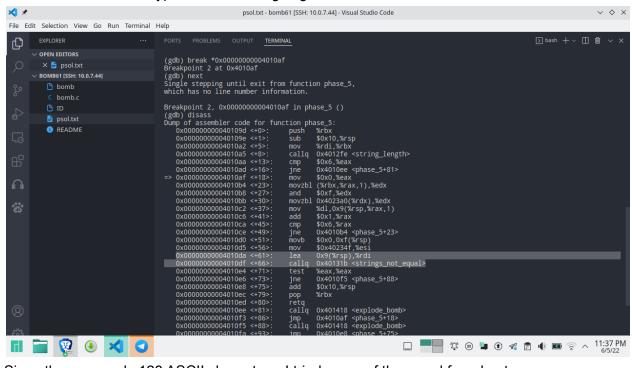
I used disas to check the code of phase 1. And saw that it just checks our string with some string in the 0x4022f0 address. So using x/s command I found the answer string which is "For NASA, space is still a high priority.".

Looking at the code we can see that it takes 6 numbers and checks something with it. Namely, it assigns ebx to 1 and checks the difference between two adjacent numbers whether their difference is ebx and increments ebx and advances to the next two adjacent numbers. After checking all adjacent numbers it will proceed to the next stage.

In order to solve this phase I checked the values of the registers and the instructions of the assembly. I found out that the second last three digits are compared with 0x31a. After that the first character of the second parameter is checked with j (or ascii 106). I understood that it checks with char because it compares all (8 bits type). The possible type for that in c is only char.

Here we need to enter two numbers separated with space. At first, I entered 1 and 2. Then checked registers before callq explode_bomb and found 176 and 2.





Since there are only 128 ASCII characters, I tried every of them and found out **mf3txw ==> bruins**

