**Linux Programming(Lab-5)**

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**Exercise 1:**

**Code:**

in the given code there is a compilation error i.e, intmain , we can’t proceed further with this error so cange it to int main.

#include <stdio.h>

/\* Print the sum of the integers from 1 to 1000 \*/

int main(int argc, char \*\*argv)

{

int i;

int sum; sum = 0;

for(i = 0; i -= 1000; i++)

{ sum += i; }

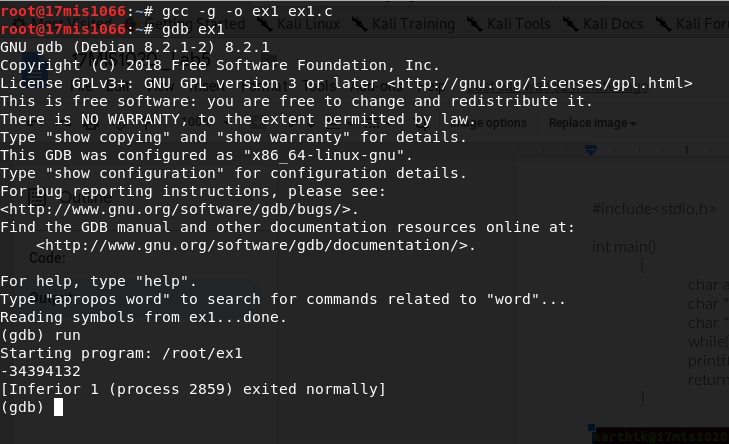
printf("%d\n", sum);

return 0;

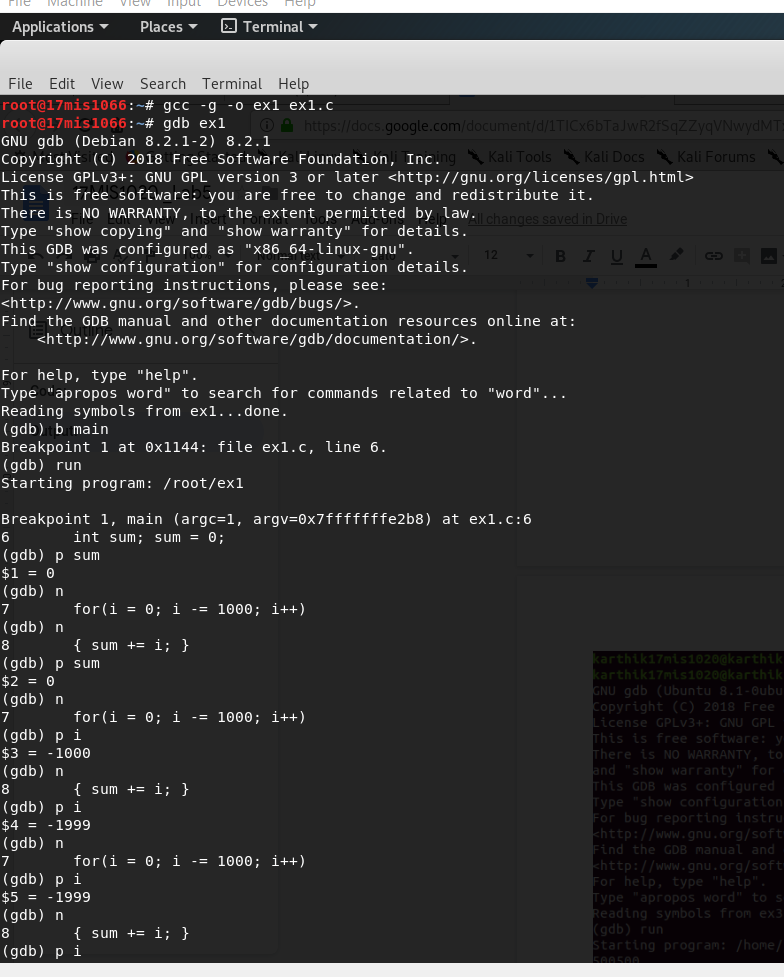
}

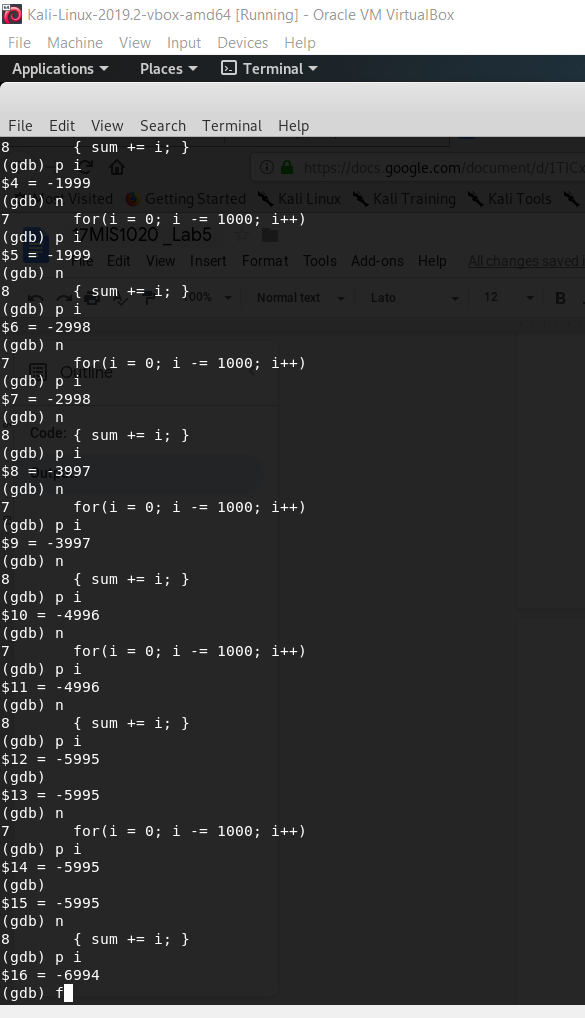
Output:

1. We got an -ve value which is wrong



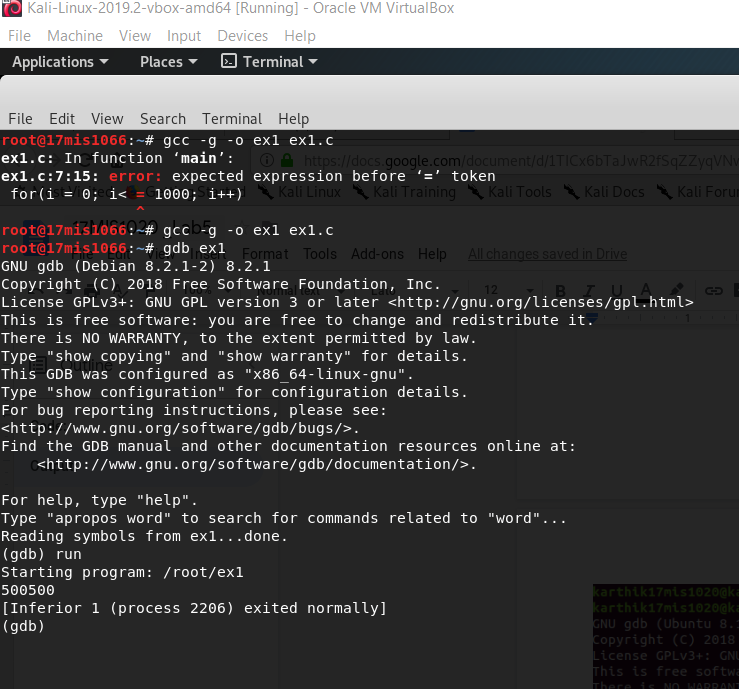
Go set a break point at main function and check for all the lines by giving next. Check the data values each line.





**\*\*Debugging through changing code for(i = 0; i <= 1000; i++) then it works.**

**Debugged Code :**

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**Exercise 2:**

**Code:**

#include<stdio.h>

int main()

{

char \*s = “Goal”;

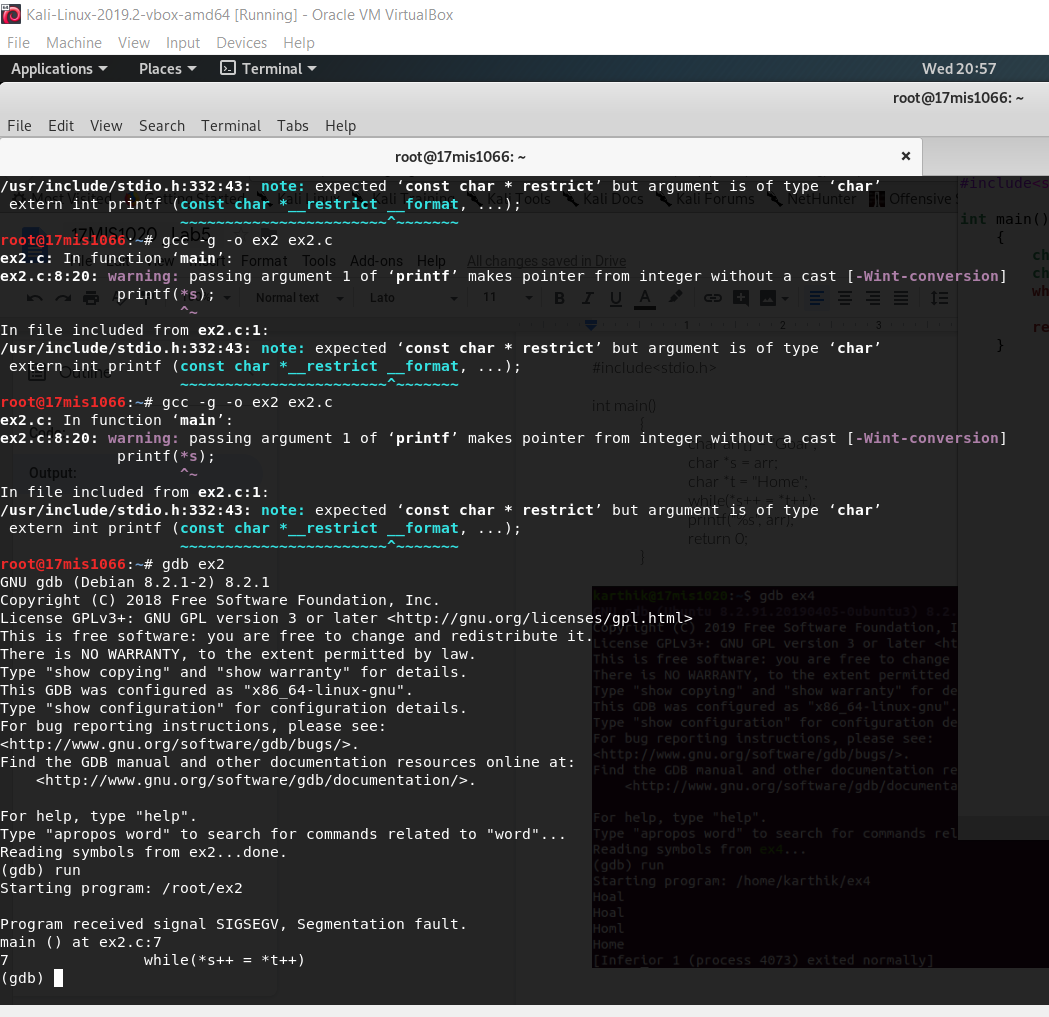
char \*t = “Home”;

while(\*s++ = \*t++)

printf(\*s);

return 0;

**Output:**

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**\*\*We can see segmentation fault due to error in while loop.**

**\*\* Through replacing it with array then the code works.**

char arr[] = "Goal";

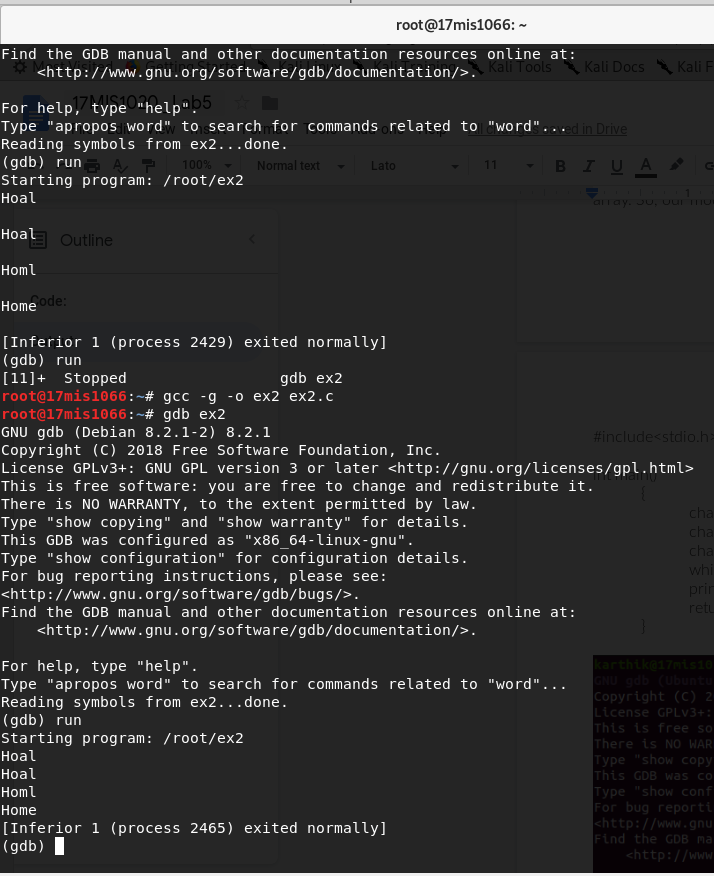
char \*s = arr;

char \*t = "Home";

while(\*s++ = \*t++);

printf("%s", arr);

**After Debugging:**

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