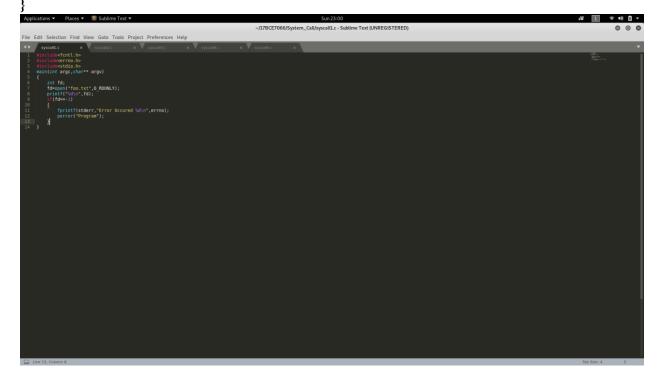
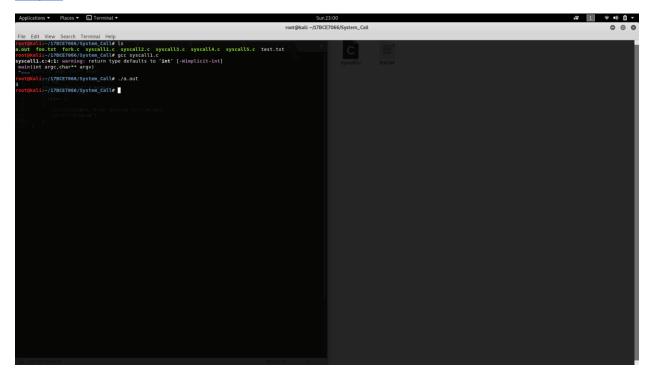
System-Calls

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Program 1: To open a file

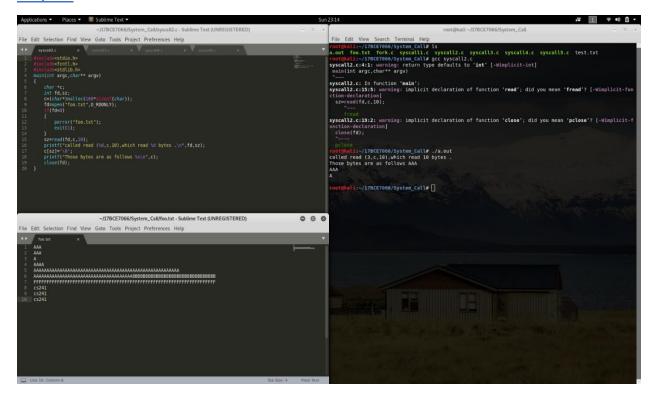
```
#include<fcntl.h>
#include<errno.h>
#include<stdio.h>
main(int argc,char** argv)
{
    int fd;
    fd=open("foo.txt",O_RDONLY);
    printf("%d\n",fd);
    if(fd==-1)
    {
        fprintf(stderr,"Error Occured %d\n",errno);
        perror("Program");
    }
}
```





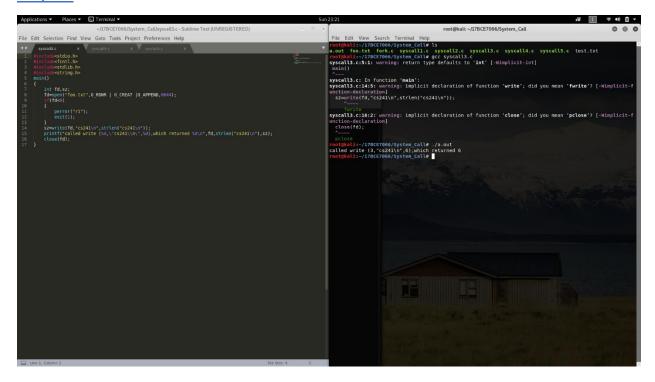
Program 2: To read from a file

```
#include<stdio.h>
#include<fcntl.h>
#include<stdlib.h>
main(int argc,char** argv)
       char *c;
       int fd,sz;
       c=(char*)malloc(100*sizeof(char));
       fd=open("foo.txt",O_RDONLY);
       if(fd < 0)
       {
              perror("foo.txt");
              exit(1);
       sz=read(fd,c,10);
       printf("called read (%d,c,10),which read %d bytes .\n",fd,sz);
       c[sz]='\0';
       printf("Those bytes are as follows %s\n",c);
       close(fd);
}
```



Program 3: To write in a file

```
#include<stdio.h>
#include<fcntl.h>
#include<stdlib.h>
#include<string.h>
void main()
       int fd,sz;
       fd=open("foo.txt",O_RDWR | O_CREAT |O_APPEND,0644);
       if(fd<0)
       {
              perror("r1");
              exit(1);
       sz=write(fd,"cs241\n",strlen("cs241\n"));
       printf("called write (%d,\"cs241\\n\",%d),which returned
d\n",fd,strlen("cs241\n"),sz);
       close(fd);
}
```



Program 4: To demonstrate atexit()

```
#include<stdio.h>
#include<stdlib.h>
void xyz()
{
        printf("Hello \n");
}
void abc()
{
        printf("Good \n");
}
void ijk()
{
        printf("Morning \n");
}
int main()
{
        atexit(xyz);
        atexit(abc);
        atexit(ijk);
}
```

