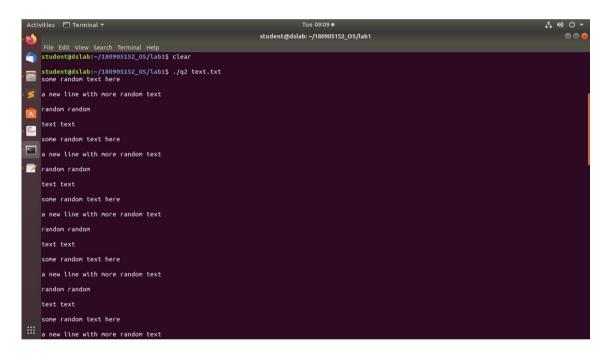
Lab 1

Q1

Code:

```
#include<unistd.h>
#include<sys/stat.h>
#include<fcntl.h>
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
int main(int argc, char *argv[])
       char buf[500];
       char c;
       int i=0,in;
       if(argc<3){
               printf("Error!");
               exit(0);
       in = open(argv[2],O_RDONLY);
       if(in==-1){
              printf("\nFile Not found!");
               exit(0);
       int linecounter = 0;
       while(read(in,&c,sizeof(char))>0)
```

Q2



```
Tue 09:09 ●
                                                          student@dslab: ~/180905152_OS/lab1
   File Edit View Search Terminal Help
   text text
   some random text here
   a new line with more random text
ext text
   some random text here
   a new line with more random text
   random random
   text text
   some random text here
   a new line with more random text
   random random
   text text
Press any key to continue
```

Code:

```
#include<unistd.h>
#include<svs/stat.h>
#include<fcntl.h>
#include<stdlib.h>
#include<stdio.h>
#include <string.h>
int main(int argc, char* argv[])
{
       char buf[500];
       char c;
       int i=0,in;
       if(argc<2){
              printf("Error!");
               exit(0);
       in = open(argv[1],O_RDONLY);
       if(in==-1){
              printf("\nFile Not found!");
               exit(0);
       int linecounter = 0;
       while(read(in,&c,sizeof(char))>0)
              if(c=='\n')
                      i=0;
                      linecounter++;
                      printf("%s \n",buf);
                      memset(buf, 0, sizeof(buf));
                      if(linecounter==20){
                             printf("\nPress any key to continue\n" );
                              getchar();
                             linecounter=0;
                      }
               buf[i] = c;
               i++;
       }
}
```

Code:

```
#include<stdio.h>
#include<errno.h>

void main()
{
        printf("Conversion specifiers\n");
        printf("For integers: %d\n",25);
        printf("For characters: %c\n",'s');
        printf("For string: %s\n","string");
        printf("For floating point numbers: %f\n",1.2);
        errno = EPERM;
        printf("For error: %m");
}
```

int in, out;

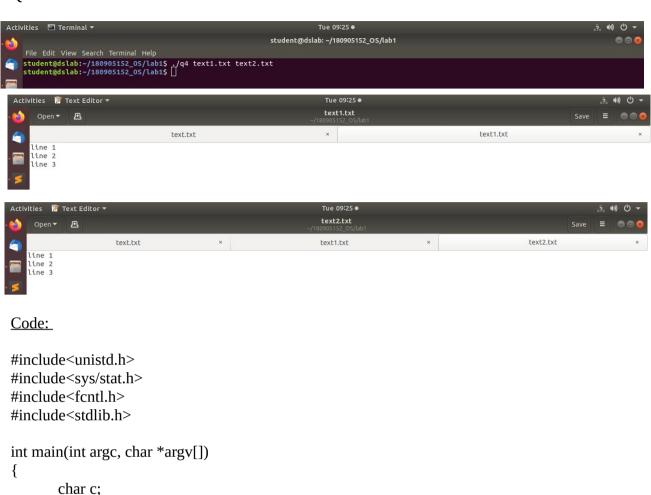
exit(0);

}

write(out,&c,1);

in = open(argv[1], O_RDONLY);

while(read(in,&c,1) == 1)



out = open(argv[2], O_WRONLY|O_CREAT, S_IRUSR | S_IWUSR);