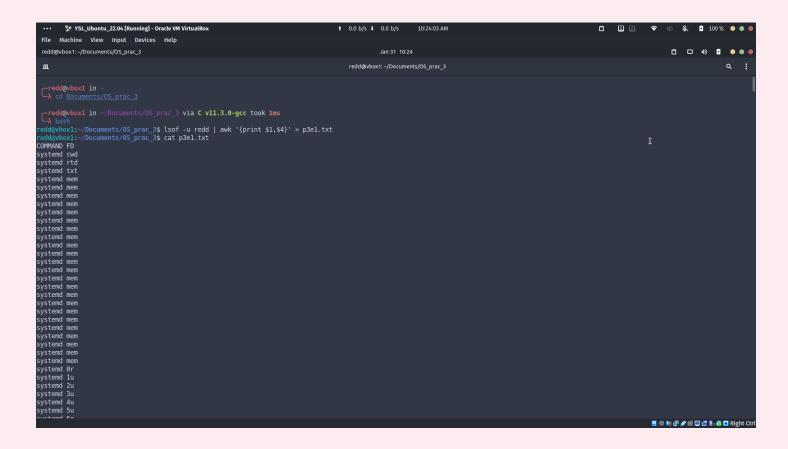
1. Find Out how many file descriptors are being Used by your Linux system as of now? Demonstrate step by step command and O/P. Also design program to check and report file descriptors of all the opened files.

### **Practical Screenshots:**



2. For your online order of any item from amazon, look at the invoice generated by Amazon. Store purchase order details like order\_id, order\_date, item\_name, item\_price, delivery\_date in system using file handling system call in a file and print all details related to invoice.

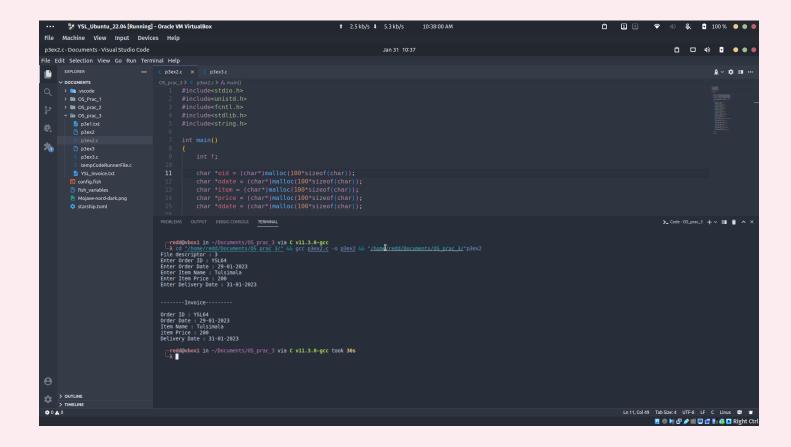
### Code:

```
#include<stdio.h>
#include<unistd.h>
#include<fcntl.h>
```

```
#include<stdlib.h>
#include<string.h>
int main()
   int f;
   char *oid = (char*) malloc(100*sizeof(char));
   char *odate = (char*)malloc(100*sizeof(char));
   char *item = (char*)malloc(100*sizeof(char));
   char *price = (char*)malloc(100*sizeof(char));
   char *ddate = (char*)malloc(100*sizeof(char));
   f = open("YSL Invoice.txt", O CREAT | O RDWR);
   printf("File descriptor : %d\n",f);
       printf("Enter Order ID : ");
       scanf("%s", oid);
       write(f, oid, sizeof(oid));
       printf("Enter Order Date : ");
       scanf("%s", odate);
       write(f,odate,sizeof(odate));
       printf("Enter Item Name : ");
       scanf("%s", item);
       write(f,item,sizeof(item));
       printf("Enter Item Price : ");
       scanf("%s", price);
       write(f, price, sizeof(price));
```

```
scanf("%s", ddate);
   write(f, ddate, sizeof(ddate));
   printf("\n\n-----\n\n");
   read(f,oid,sizeof(oid));
   printf("Order ID : %s\n", oid);
   printf("Order Date : %s\n", odate);
   read(f,item,sizeof(item));
   printf("Item Name : %s\n", item);
   read(f, price, sizeof(price));
   read(f, ddate, sizeof(ddate));
   printf("Delivery Date : %s\n", ddate);
close(f);
```

### Output:



3. Implement program that can open the file "ICTGUNI.txt" in the current directory, and prints out the return value of the open() system call. If "ICTGUNI.txt" exists, open() will return a non-negative integer (three). If "ICTGUNI.txt" does not exist, then it will return -1.

### **Practical Screenshots:**

