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:

```c
#include <stdio.h>

#include <unistd.h>

#include <fcntl.h>

void main(){

        char orderid[50], itemprice[50] ,itemname [50], orderdate[50], deliverydate [50];

        printf("Enter Order ID\n");

        scanf("%s", orderid);

        printf("Enter Order Date\n");

        scanf("%s", orderdate);

        printf("Enter Item Name\n");

        scanf("%s",itemname);

        printf("Enter Item Price\n");

        scanf("%s", itemprice);

        printf("Enter Delivery Date\n");

        scanf("%s", deliverydate);

        int fd;

        fd = open("invoice.txt", O_CREAT | O_RDWR);

        printf("File desc %d", fd);

        if(fd!=-1){

                write(fd, orderdate,sizeof(orderdate));

                write(fd, itemname, sizeof(itemname));

                write(fd, orderid, sizeof(orderid));

                write(fd, deliverydate, sizeof(deliverydate));

                write(fd, itemprice,sizeof(itemprice));

        }

        close(fd);

}
```

Screenshot:

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.

Code:

```
#include <stdio.h>

#include <unistd.h>

#include <fcntl.h>

void main(){

        int fd;

        fd = open("ICT_GUNI.txt", O_RDWR);

        if(fd<0){

                printf("%d, File Don't Exists\n", fd);

                fd = open("ICT_GUNI.txt", O_CREAT | O_RDWR);

                printf("%d, File Now Created \n", fd);

        }

        else{

                printf("%d, File Exists \n", fd);

        }

}
```
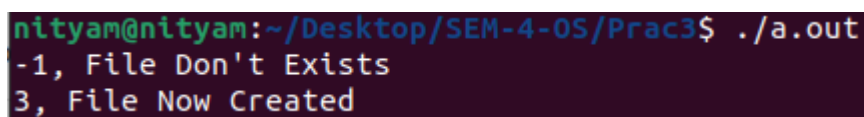
Screenshot: