Question 4:

In this question we have been asked to print the type of a file , inode number and the filename and ignore all the soft links files.

Lets look at the screen shot:

```
orian@Orian:~/CLionProjects/fwork_312320062$ ./travel ~/Desktop/dir/
 D          1721576          dir
 D          1721585          sub
 F          1721586          x
 F          1721575          a
 F          1721583          b
orian@Orian:~/CLionProjects/fwork_312320062$ ls ~/Desktop/dir/
a   b   sl   sub
orian@Orian:~/CLionProjects/fwork_312320062$
```

As we can see we used our program on dir and its printed all the files that we need to see according to the question.
To check if the information that we printed is right, we can use stat command and get all the metadata of a file and see if the information is equal.

Stat of dir:

```
orian@Orian:~/Desktop$ stat dir
  File: dir
  Size: 4096          Blocks: 8          IO Block: 4096    directory
Device: 805h/2053d       Inode: 1721576      Links: 3
Access: (0775/drwxrwxr-x)  Uid: ( 1000/   orian)   Gid: ( 1000/   orian)
Access: 2020-08-04 16:07:58.774376338 +0300
Modify: 2020-08-04 16:07:48.502240083 +0300
Change: 2020-08-04 16:07:48.502240083 +0300
 Birth: -
orian@Orian:~/Desktop$
```

As we can see the INODE number of dir is 1721576 and its equal to the INODE number that we got from our program.