1) Hexadecimal to binary 24F

$(24F)_{16} =$

$2 = (0010)_2$

$4 = (0100)_2$

F can be written as 15 so, $F = (1111)_2$

$(001001001111)_2$

2) Convert any one Octal to Binary

$(51)_8$

$(5) = (101)_2$

$(1) = (001)_2$

So, $(51)_8 = (101001)_2$

3) Create Inputs and outputs Dominos Pizza Store and web site

The inputs of the dominos pizza store is given below:

- Customer name
- Customer contact detail
- Customer address
- Customer choices of food items
- Customer mode of payment
- Customer rating and review
- Customer order placement

The outputs of the dominos pizza store is given below:

- The Order Bill
- Offers on food items
- Recommendation of items
- UI/UX
- Item delivery details
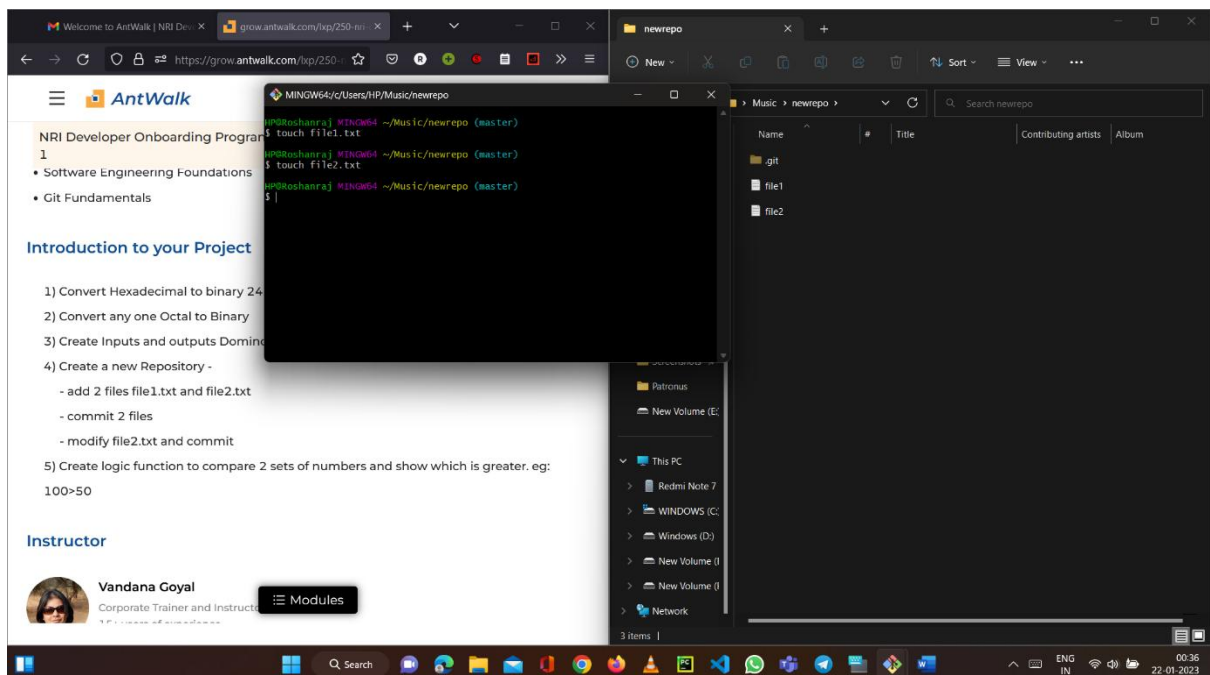- Tracker to track the items after the order made till customer receives.

4) Create a new Repository -
    - add 2 files file1.txt and file2.txt
    - commit 2 files
    - modify file2.txt and commit

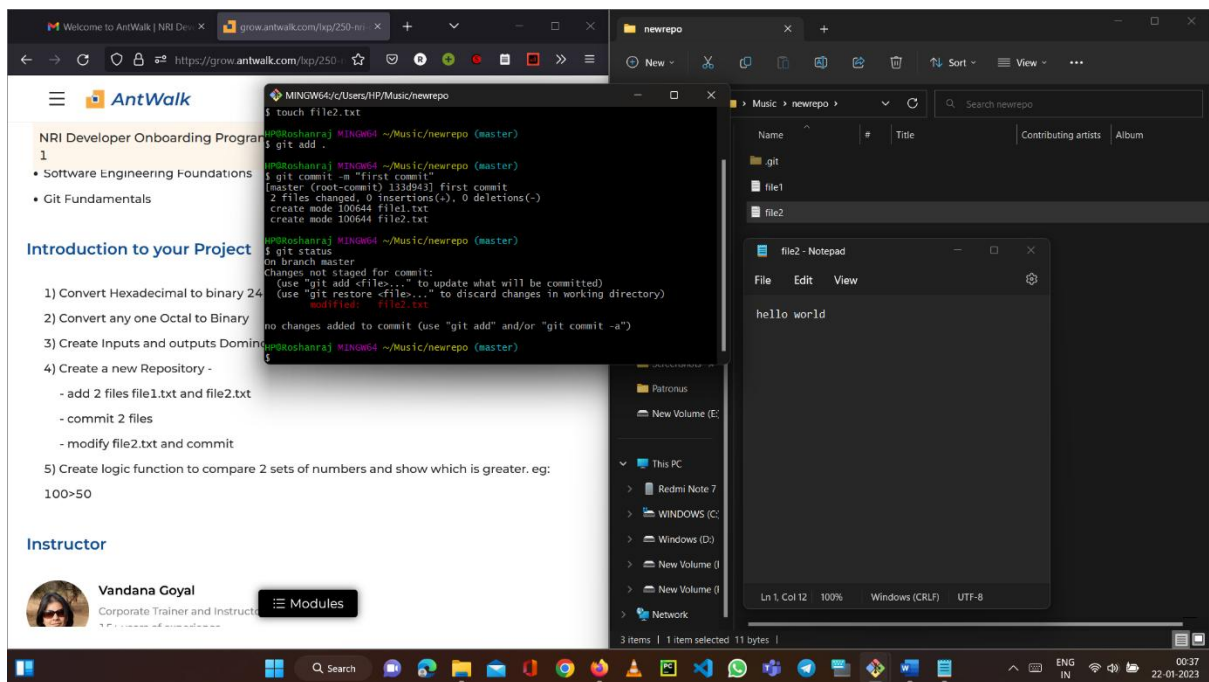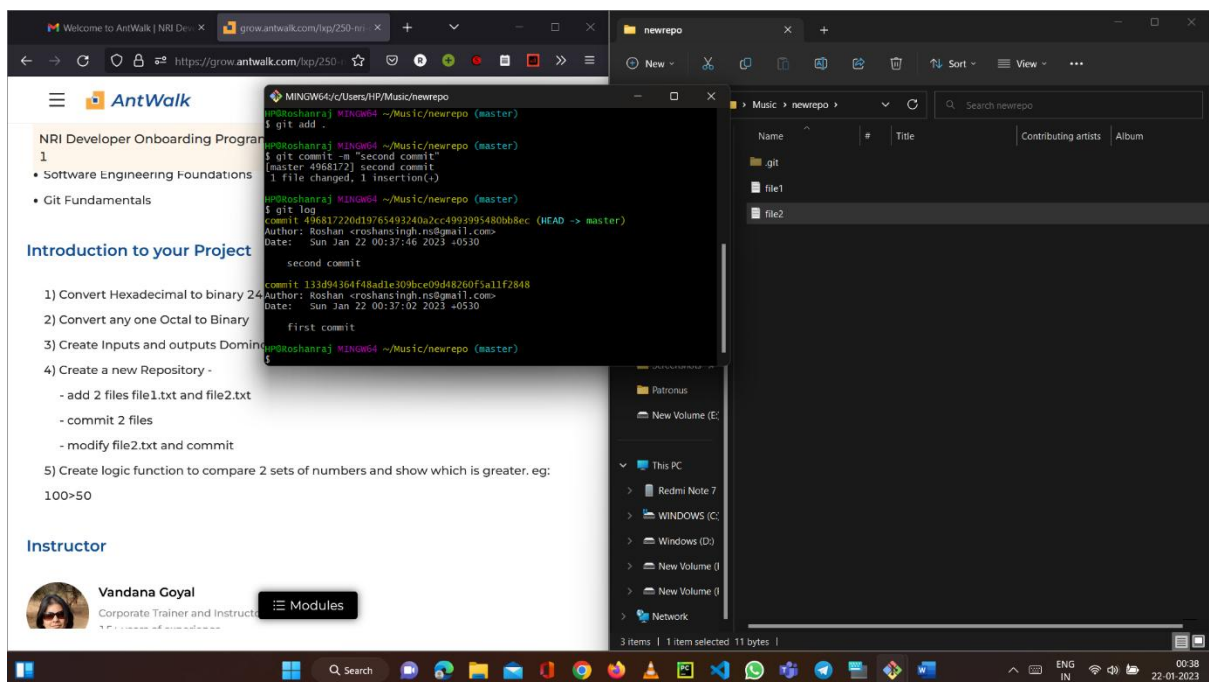Screenshots having solution given below

Folder is made
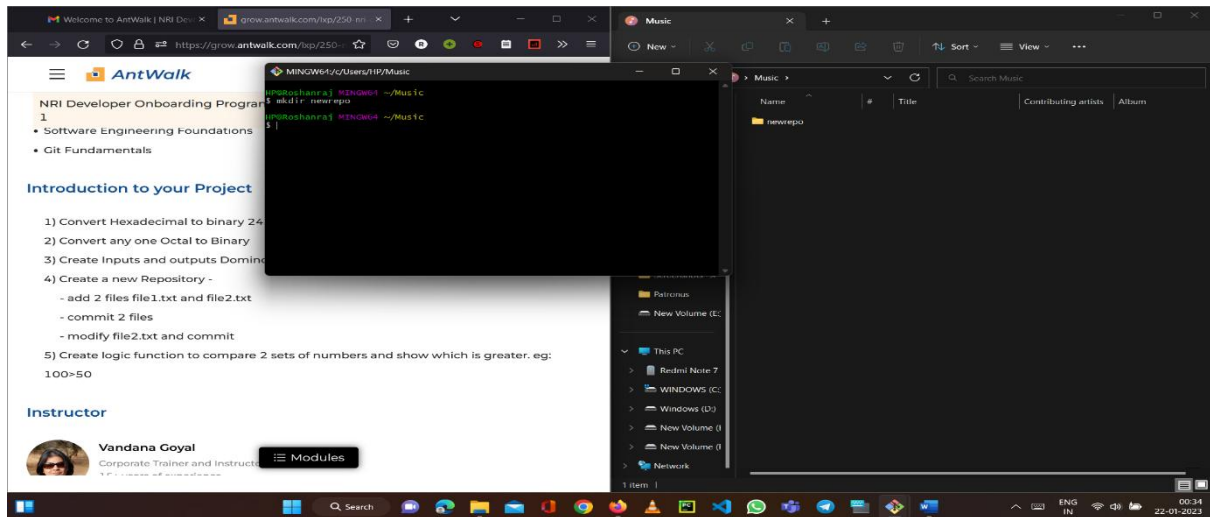
Create 2 files having txt extension

Add both the empty files and commit , then modify the file2.txt

Commit the file2.txt

5) Create logic function to compare 2 sets of numbers and show which is greater. eg: 100>50

Let F1(P,Q) be the logic function where if P > Q then it gives 1 else 0. Let F2(P,Q) be the logic function where if P = Q then it gives 1 else 0. Let F3(P,Q) be the logic function where if P < Q then it gives 1 else 0.

Showing a full subtractor

Full-Subtractor Circuit
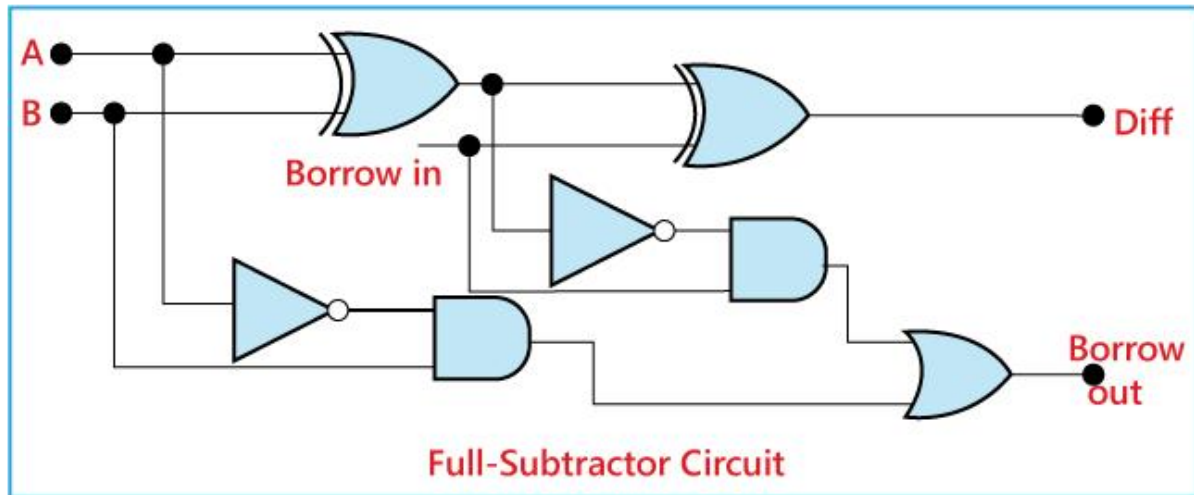
subtractor logic of 1-bit number. In n-bit subtractor, the B_{out} of lower position bit is fed into B_{in} of higher position bit. A 4-bit logic circuit for adder-subtractor is given below:-
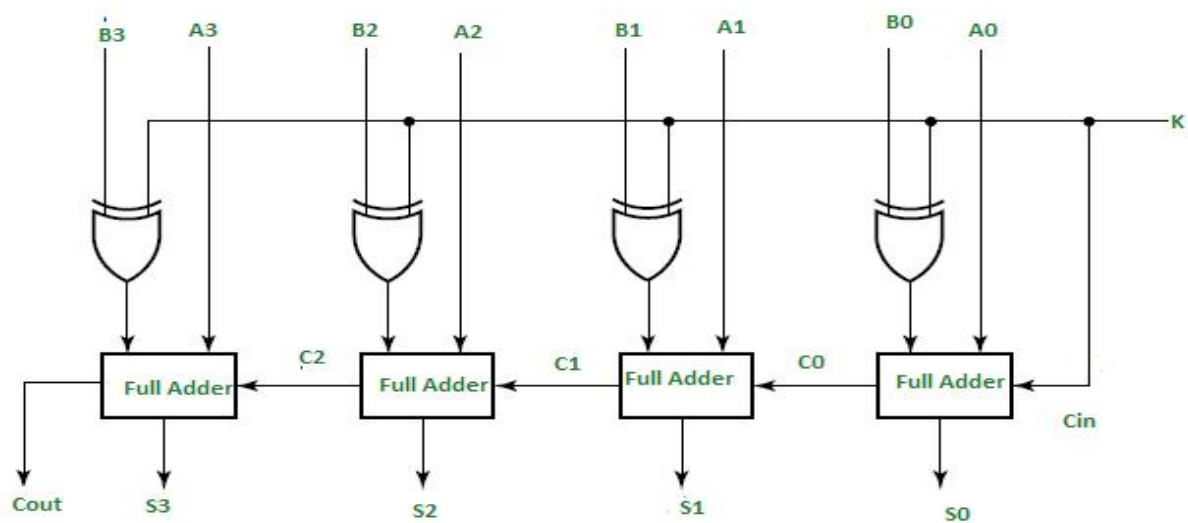
Let the N bit number be A and B. The C0 will be 1. The output will be Sn.....S0 of N-bit and 1-bit Bout.

F2(A,B) = Z'

F1(A,B) = Z*B_{out}'

F3(A,B) = Z*B_{out}