1.) Convert Hexadecimal to binary 24F

$(24F)_{16} = (0010\ 0100\ 1111)_2$

2.) Convert any one Octal to Binary

$(12)_8 = (001\ 010)_2$

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

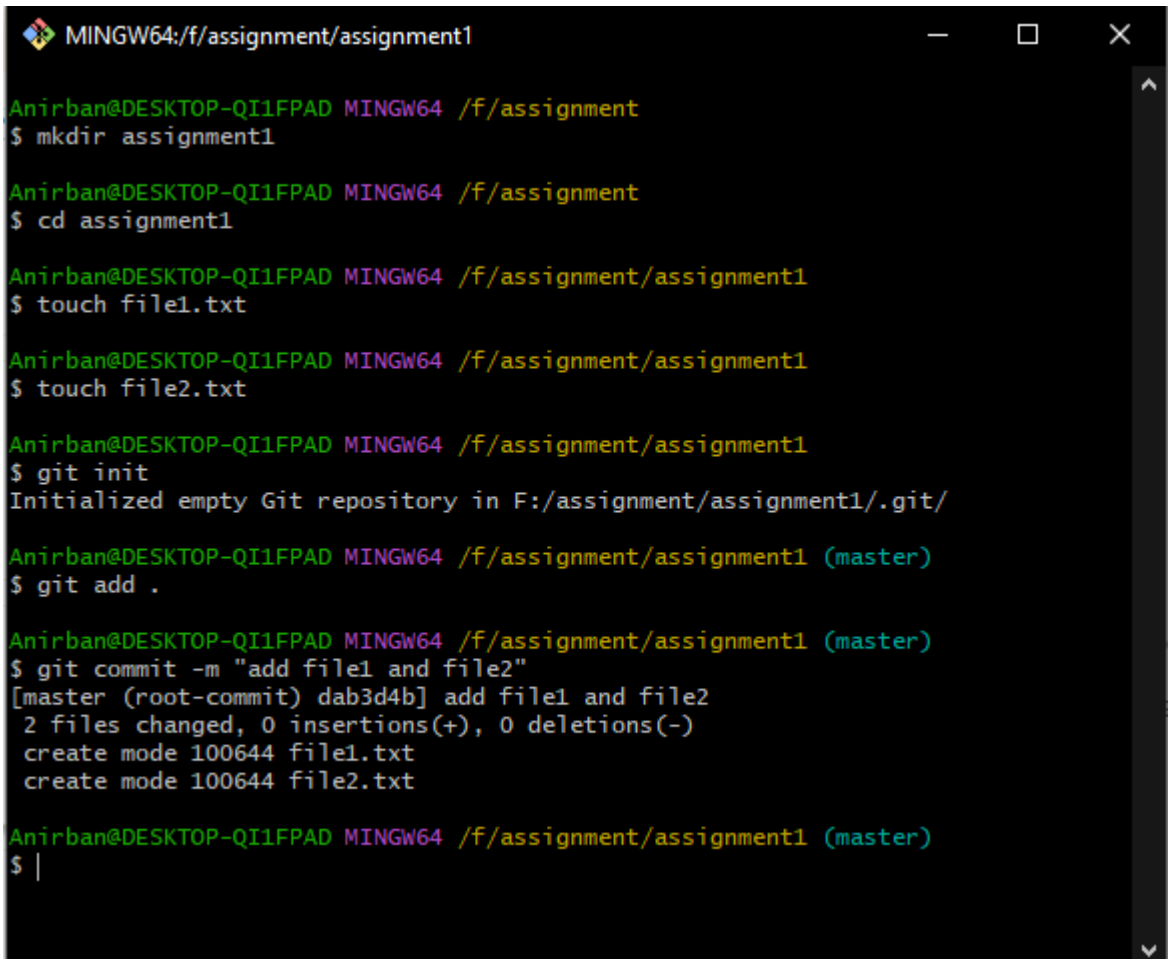
Input Details:

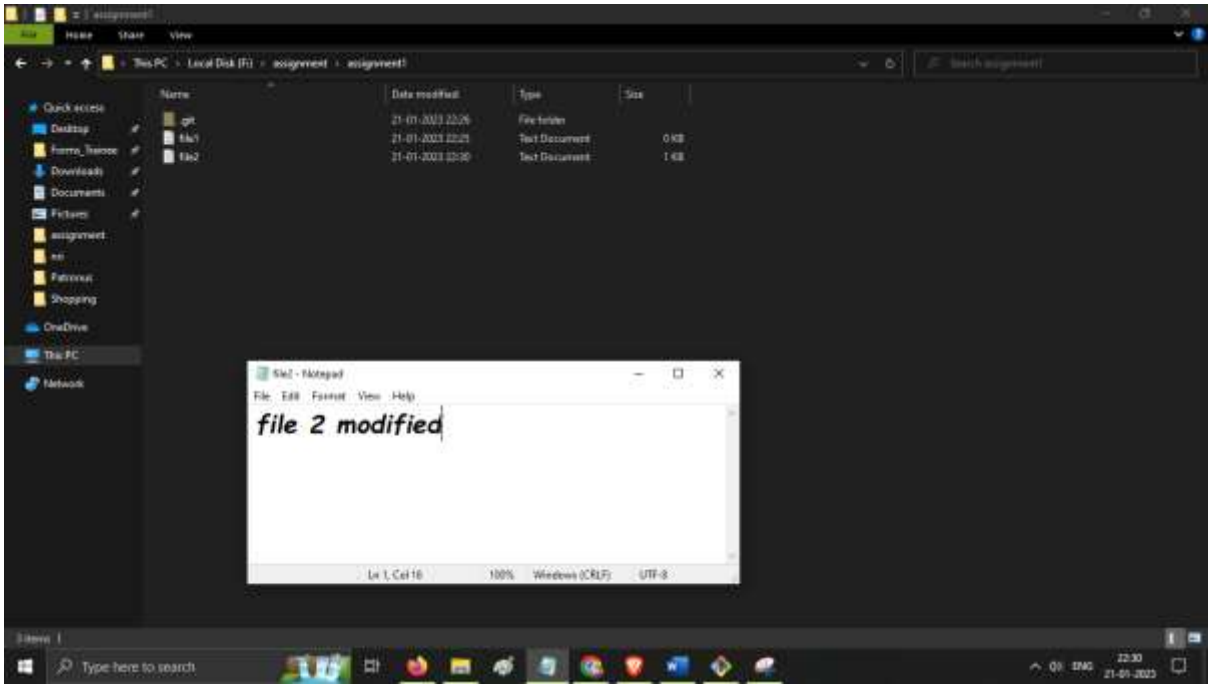
- Customer’s name
- Contact number
- Customer’s email
- Customer’s address
- Customer’s order details
- Mode of payment
- Payment credentials
- Customer’s feedback

Output details:

- An UI interface for the website
- Personalized recommendations
- Offers
- Order’s bill
- An Realtime order delivery tracking feature

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





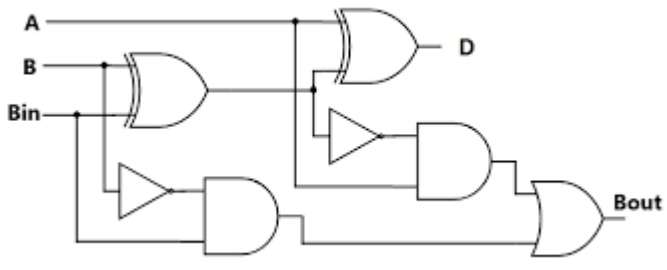

```
Anirban@DESKTOP-QI1FPAD MINGW64 /f/assignment/assignment1 (master)
$ git add file2.txt

Anirban@DESKTOP-QI1FPAD MINGW64 /f/assignment/assignment1 (master)
$ git commit -m "modified file2"
[master 3bd20f9] modified file2
 1 file changed, 1 insertion(+)
```

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.

A subtractor logic - D(p,q,Bin) = p XOR q XOR Bin Bout(p,q,Bin) = p'.Bin + p'.q + q.Bin



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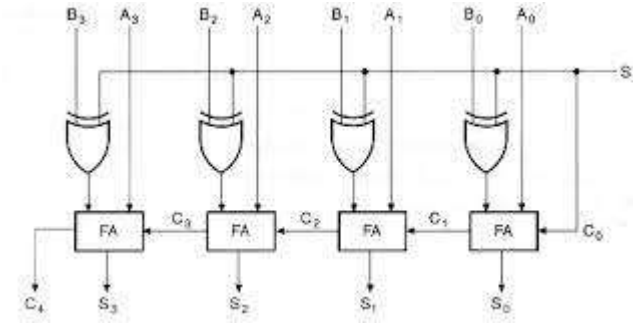
The above are subtractor logic of 1-bit number. In n-bit subtractor, the Bout of lower position bit is fed into Bin of higher position bit. A 4-bit logic circuit for adder-subractor is given below –



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.

Let Z = $\bigcup_{i=0}^{N} S_i$

F2(A,B) = Z'

F1(A,B) = Z.Bout'

F3(A,B) = Z.Bout