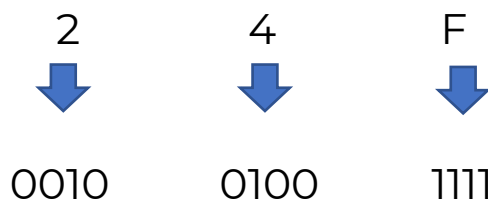


## Antwalk Software Engineering Foundations

### Assignment 1

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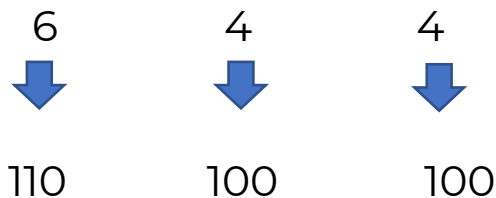
Q1. Convert Hexadecimal to Binary 24F



Therefore,  $(24F)_{16} = (001001001111)_2$

Q2. Convert any one Octal to Binary

Let the Octal number be 644



Therefore,  $(644)_8 = (110100100)_2$

Q3. Create Inputs and outputs Domino's Pizza Store and website

Inputs : Pizza/Dish Name + Quantity, Side Drinks + Quantity , Any add ons (Like extra cheese etc.) , Bill recipient name , Contact Number, Mode of Payment.

Outputs : Payment Done/Failed regarding notification ,  
Estimated time of Delivery/Waiting Time, Actual Food ,  
Food delivery notification, Ask for Service Rating.

Q4. Create a new Repository -add 2 files file1.txt and  
file2.txt commit 2 files ,modify file2.txt and commit

```
MINGW64/c/Users/ARIJIT/Desktop/NewRepo
ARIJIT@APTOP-R08SHKGB MINGW64 ~
$ pwd
/c/Users/ARIJIT
ARIJIT@APTOP-R08SHKGB MINGW64 ~
$ cd Desktop/
ARIJIT@APTOP-R08SHKGB MINGW64 ~/Desktop
$ mkdir NewRepo
ARIJIT@APTOP-R08SHKGB MINGW64 ~/Desktop
$ cd NewRepo/
ARIJIT@APTOP-R08SHKGB MINGW64 ~/Desktop/NewRepo
$ git init
Initialized empty Git repository in C:/Users/ARIJIT/Desktop/NewRepo/.git/
ARIJIT@APTOP-R08SHKGB MINGW64 ~/Desktop/NewRepo (master)
$ touch file1.txt file2.txt
ARIJIT@APTOP-R08SHKGB MINGW64 ~/Desktop/NewRepo (master)
$ ls
file1.txt  file2.txt
ARIJIT@APTOP-R08SHKGB MINGW64 ~/Desktop/NewRepo (master)
$ git add .
ARIJIT@APTOP-R08SHKGB MINGW64 ~/Desktop/NewRepo (master)
$ git commit -m "First Commit"
[master (root-commit) 956321d] First Commit
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file1.txt
create mode 100644 file2.txt
ARIJIT@APTOP-R08SHKGB MINGW64 ~/Desktop/NewRepo (master)
$ nano file2.txt
```

```
MINGW64/c/Users/ARIJIT/Desktop/NewRepo
GNU nano 5.9 file2.txt
Edited file2.txt as per the question
This is a random message
With this i finish the editing process i
_

Write 3 lines
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo      M-A Set Mark  M-J To Bracket M-Q Previous  ^B Back       ^_ Prev Word
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^/_ Go To Line M-E Redo      M-G Copy      ^Q Where Was  M-W Next     ^F Forward    ^_ Next Word
```

```
NTJIT@LAPTOP-ROB5HCGB HING64 ~/Desktop/NewRepo (master)
$ git add .
warning: LF will be replaced by CRLF in file2.txt.
The file will have its original line endings in your working directory
NTJIT@LAPTOP-ROB5HCGB HING64 ~/Desktop/NewRepo (master)
$ git commit -m "Second Commit"
[master 7f94dd7] Second Commit
1 file changed, 3 insertions(+)
NTJIT@LAPTOP-ROB5HCGB HING64 ~/Desktop/NewRepo (master)
$
```

Q5. Create logic function to compare 2 sets of numbers and show which is greater.eg:100>50

String func isGreater(int a, int b)

```
{
    If(a-b>0)
        return "A is Greater";
    else if(a-b<0)
        return "B is Greater";
    else
        return "A & B are equal";
}
```

The Logic of this function is that if a number B when subtracted from a number A returns a positive number then it denotes that A is greater than B and vice versa.