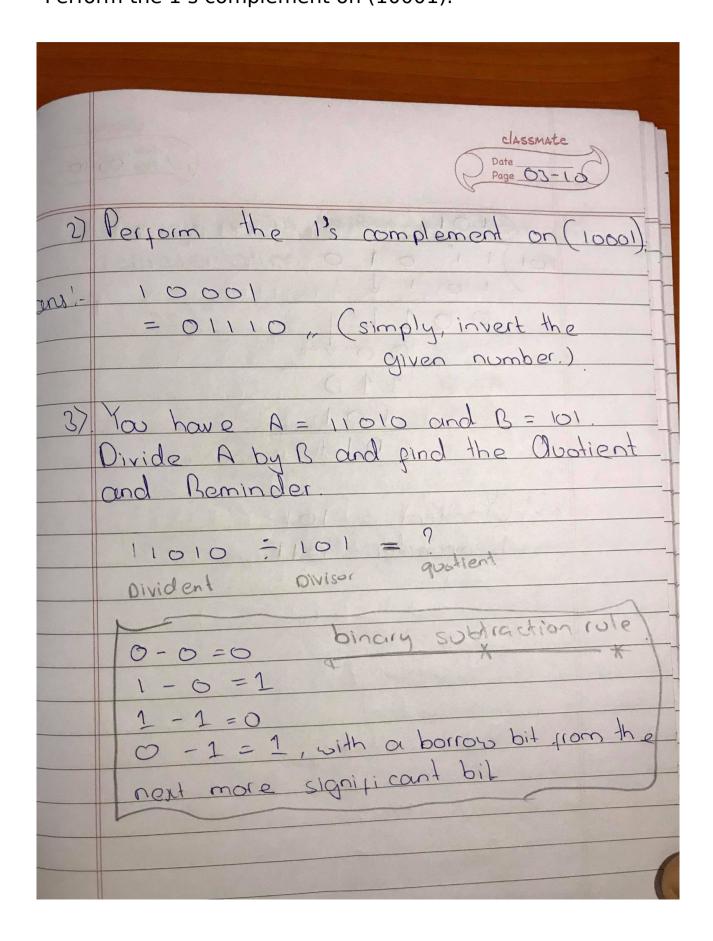
Assignment 1 C programming ITP203

Submitted by; Samten Wangmo 12190073 Group 'A' Q1)Perform the 2's complement on Binary Number (01110) and note down the result.

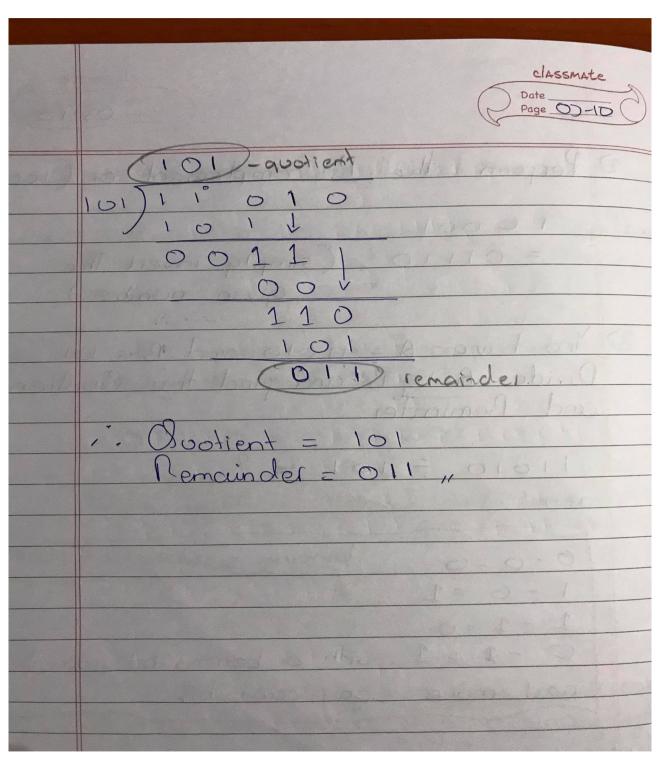
	classmate Date Page 03-10
186	Assignment 2 (MTP203-Theory)
1)	Perform the 2's complement on Binary ans' Number (01110) and note down the result.
ins;	Firstly, perform bin 15 complement on Ginary Number 01110
	01110 -> 10001
	Now, perform Second complement
	10001
	10010
	1+1=0 and carry 1 to next higher column as 1 is the highest digit in binary system and number greater than 1 requires that a digit to be carried over.

Question2 Perform the 1's complement on (10001).

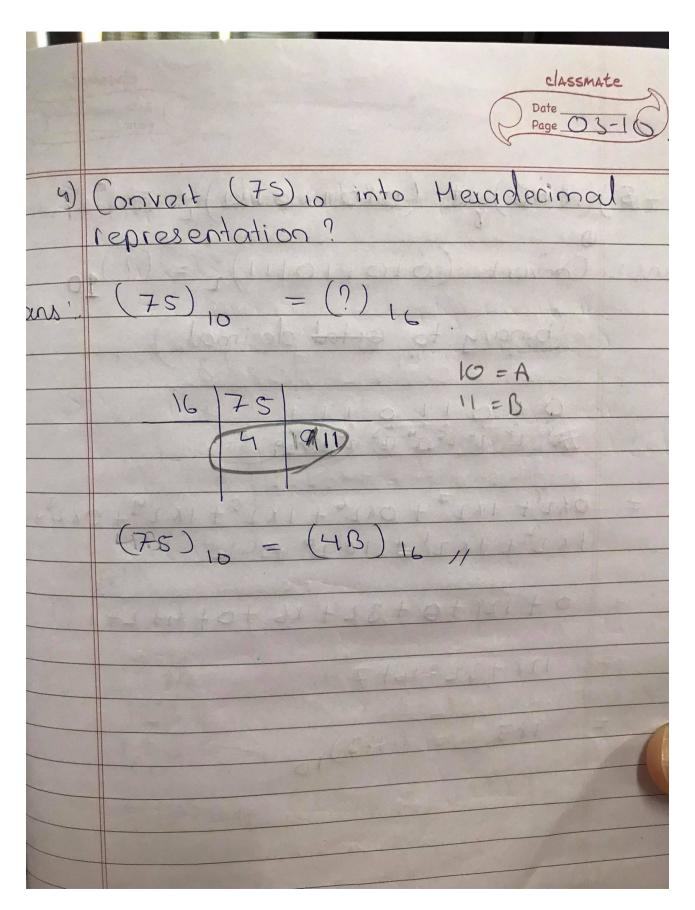


Question 3

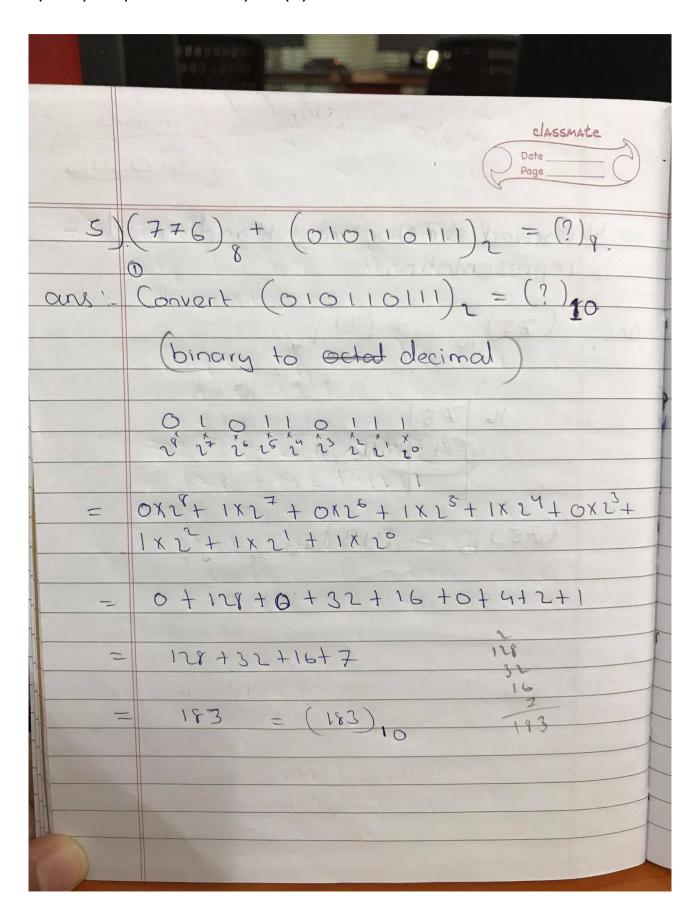
You have A=11010 and B=101. Divide A by B and find the Quotient and Reminder.

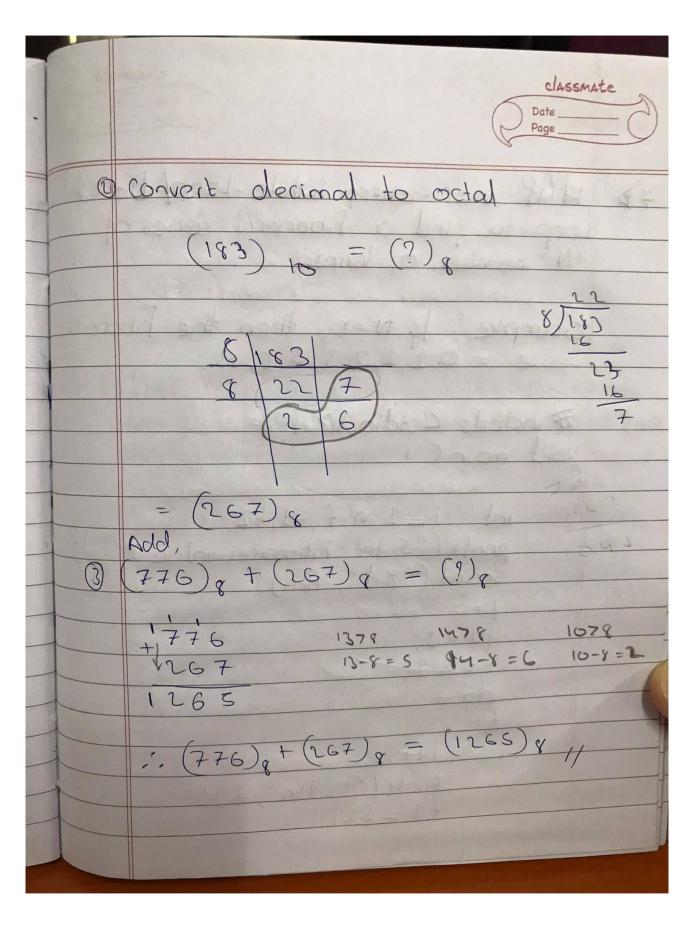


Question 4
Convert (75)10into Hexadecimal representation?



Question 5 (776)8+ (010110111)2= (?)8.





Question 7

WAP in C using While-Loop/Do-While Loop to find a Fibonacci series of "N" number of terms. Example:-If N=8, then the Fibonacci Series = 0, 1, 1, 2, 3, 5, 8, 13.

Answer:

```
File Edit Selection Find View Goto Tools Project Preferences Help
4
                                                  Q7.c - Desktop/12190073 X
      #include<stdio.h>
      void main()
           int i=1,n,x,x1,x2;
          printf("Enter Number : ");
          scanf("%d",&n);
          X=0;
          x1=1;
          x2=1;
 11
 12
               i++;
 13
              printf("%d\n",x);
 14
              x1=x2;
 15
               x2=x;
              x=x1+x2;
 17
          while(i<=n);
 19
```

Output:

```
₫ 10:33 ਊ · · · •
ies 🖸 Terminal ▼
                                                               user@lab127-OptiPlex-3040: ~/Deskt
 File Edit View Search Terminal Help
 user@lab127-OptiPlex-3040:~$ cd Desktop
 user@lab127-OptiPlex-3040:~/Desktop$ cd 12190073
user@lab127-OptiPlex-3040:~/Desktop/12190073$ gcc Q7.c -o q1
user@lab127-OptiPlex-3040:~/Desktop/12190073$ ./q1
Enter Number: 8
1
2
3
5
8
 13
 user@lab127-OptiPlex-3040:~/Desktop/12190073$ gcc Q7.c -o q1
 user@lab127-OptiPlex-3040:~/Desktop/12190073$ ./q1
 Enter Number : 4
1
1
 user@lab127-OptiPlex-3040:~/Desktop/12190073$
```

Question 8

WAP in C using While-Loop/Do-While Loop to find if a number(any digit)is Armstrong Number.

Syntax:-abc= $a_n + b_n + c_n$ (Example of 3 digit number)

Example: -153 = 1*1*1 + 5*5*5 + 3*3*3

Output: