Revision c codes
1- Write c function to take an integer number and calculate its square root.
2- Write c function to check Whether a Number is Prime or Not.
3- Write c function to take 2 numbers and print all prime numbers between them.
4- Write c function to take a number and get the nearest 10th number (number 73 return 70 ,number 78 return 80).
5- Write c function to take a number and sum all its digits (number 126, sum = 1+2+6).
6- Write c function to reverse digits in number (number 2371 return 1732).
7- Write c function to check Whether the Number base is 2 or not (numbers like1,2,4,8,16,32) try it in 4 different ways.
8- Write c function to count number of ones in the binary representation of a number (10-> 1010 return 2) try to optimize your code
9- Write c function to print the binary representation of a number try not to print zeros on the left (5-> 101).

10- Write c function to take number of lines and draw pattern with '*' like 交交交交交 全全全 (4) *** 常常家。 **** **按数** **** 100 **** (try to draw a circle). 11- Write c function to sum numbers from 1 to 100 (without loop). 12- Write c function to calculate the factorial of number (factorial of 5 is 5*4*3*2*1) try in 2 different way. 13- Write c function to find a number in a sorted array (try to optimize your code). 14-C function to return the maximum and minimum number in an array and there index (try 3 different way to return more than one variable from function). 15- Write c function to take 2 unsigned char and add them and return the result in unsigned char (where is the problem and how to solve it). 16-Write c function to take an array and reverse its elements. 17- Write c function to take 2 arrays and swap them (2 different size).

- 18- Write c function to take an array (with unknown size) contain 2 zeros swap the 3 element after the first zero with the 3 element after the second zero (x,x,x,0,1,2,3,xxxx,0,5,6,7,xxxx ->swap 1,2,3with 5,6,7).
- 19- Write c function to take an string and return the longest word (My name is Mohamed Ali -> return Mohamed).
- 20- Write c function to take an string and reverse words (My name is Mohamed Ali->Ali Mohamed is name my) try it without use external arrays.
- 21- Write c function to take an array and return the biggest difference between 2 numbers in the array (the smaller number must come first in the array) {10,1,5,3,6,8,7,2}->return 7 difference between 1,8.
- 22- Write c function to count the max number of zeros between two ones in the binary representation of a number (296384->{ 1001000010111000000} return 4).
- 23- Write c function to find the most repeated number in an array of char (size of the array is very large) try to optimize your code .
- 24- Write c function to take 2 arrays and return an array by merging them like this (arr1={1,2,3,4,5},arr2={11,12,13,14,15} return arr3={1,11,2,12,3,13,4,14,5,15}).
- 25- Write c function to reverse bits in a 8 bit number (149->10010101 return 169->10101001).