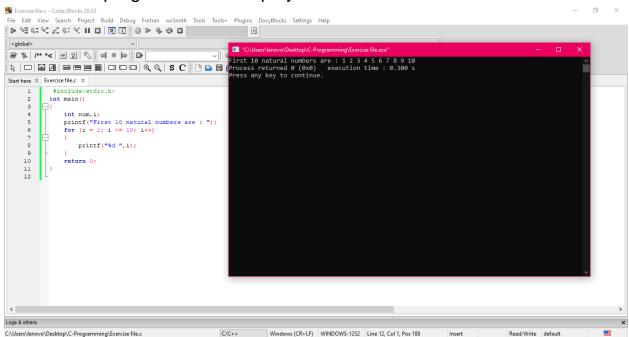
ASSIGNMENT 08 & 09

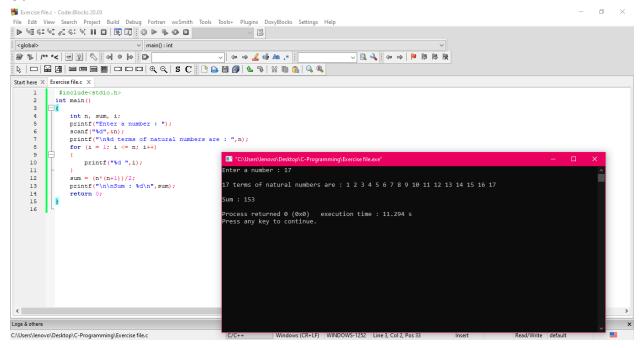
NAME: Om Vivek Gharge PRN: 2020BTEIT00041

BRANCH: INFORMATION TECHNOLOGY

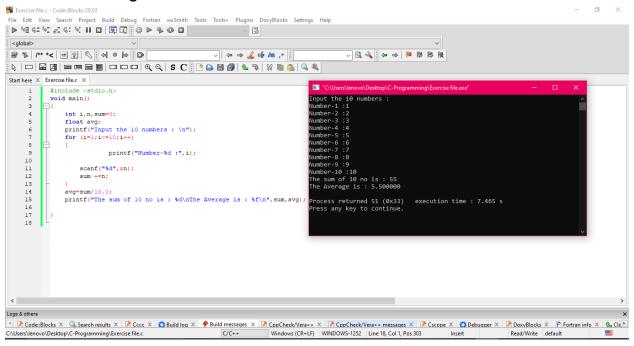
Q1. Write a program in C to display the first 10 natural numbers.



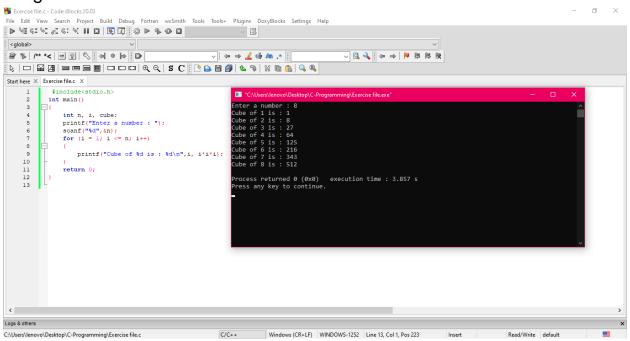
Q2. Write a program in C to display n terms of natural number and their sum.



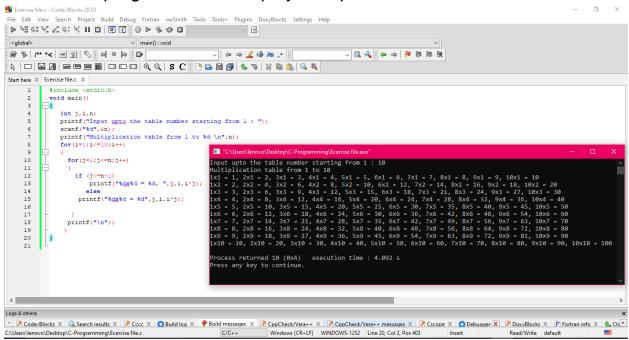
Q3. Write a program in C to read 10 numbers from keyboard and find their sum and average.



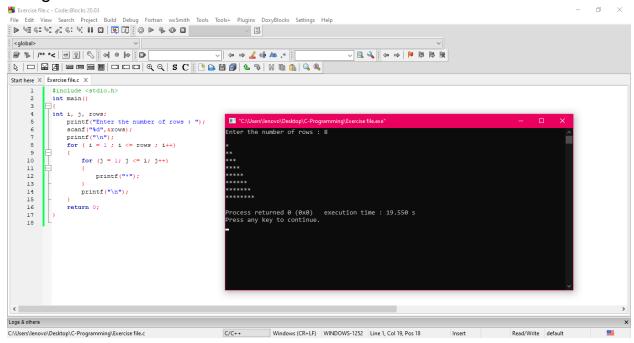
Q4. Write a program in C to display the cube of the number up to given an integer.



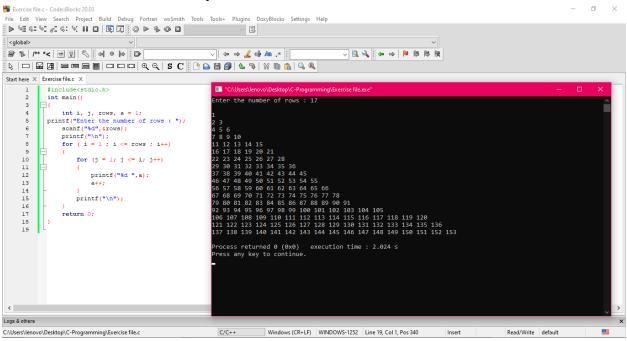
Q5. Write a program in C to display multiplication table from 1 to n.



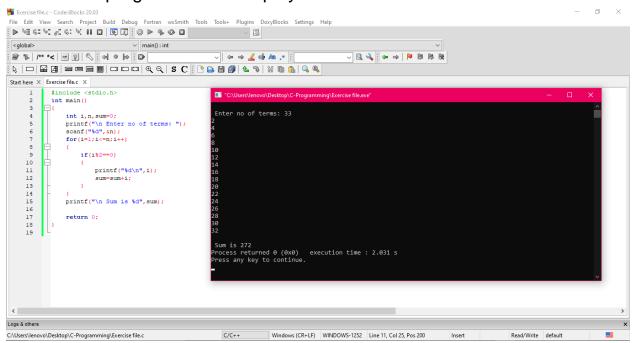
Q6.Write a program in C to make such a pattern like right angle triangle using an asterisk.



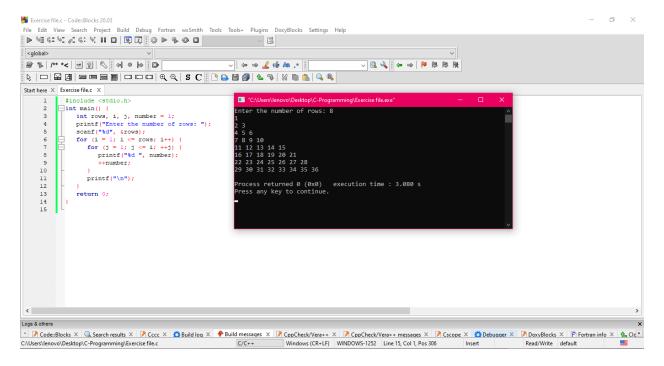
Q7. Write a program in C to make such a pattern like right angle triangle with number increased by 1.



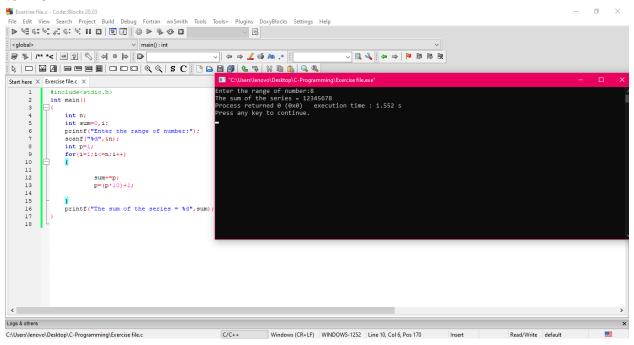
Q8. Write a program in C to display n even natural numbers and their sum .



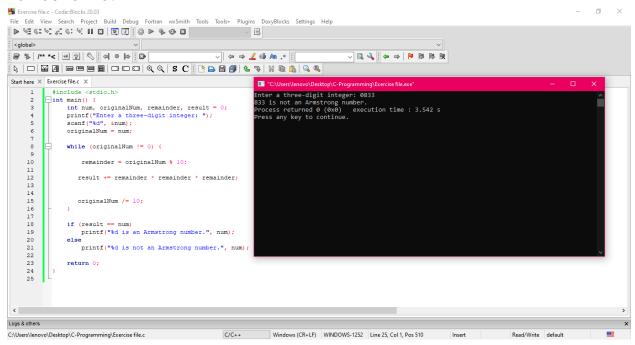
Q9. Write a program in C to print the Floyd's Triangle.



Q10. Write a program in C to find the sum of the series 1 + 11 + 111 + 1111 + ... n terms.



Q11. Write a C program to check whether a given number is an Armstrong number or not.

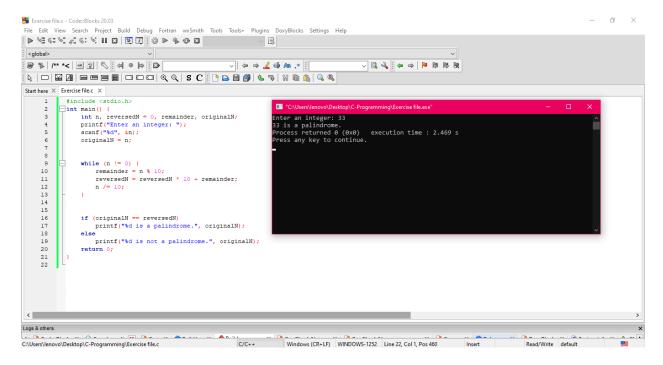


Q12. Write a program in C to find the prime numbers within a range of numbers

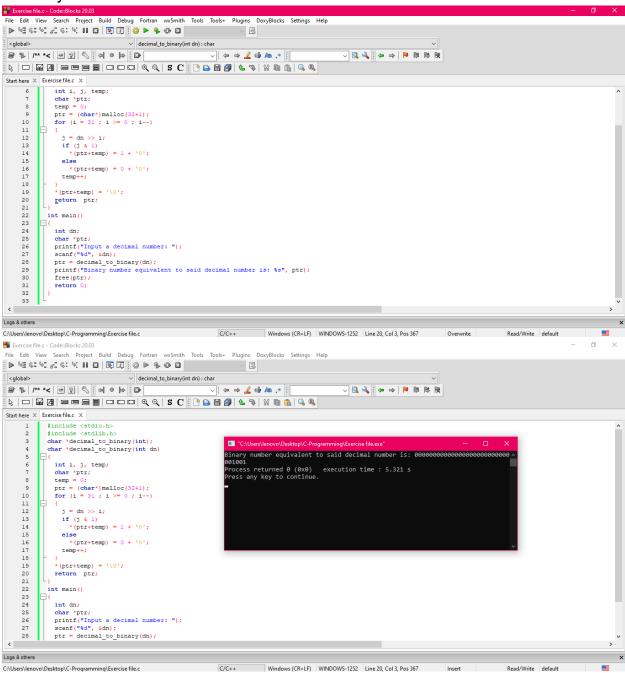
```
Start here X Exercise file.c X
       rocess returned 10 (0xA) execution time : 4.439 s
ress any key to continue.
             printf("Input ending number of range : ");
    8
9
10
             print( injuse thating number of range : , ,
scanf("Madu, Senno);
printf("The prime numbers between %d and %d are : \n", stno, enno);
    11
12
13
14
15
16
17
18
             for(num = stno;num<=enno;num++)</pre>
                for(i=2;i<=num/2;i++)
                    if(num%i==0){
                       ctr++;
break;
19 20 21 22 23 24 25 26 27 20 4th
                if(ctr==0 && num!= 1)
    printf("%d ", num);
         printf("\n");
C:\Users\lenovo\Desktop\C-Programming\Exercise file.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 2, Col 1, Pos 20
                                                                                                               Read/Write default
```

Q13. Write a program in C to check whether a number is a palindrome or not.



Q14. Write a program in C to convert a decimal number into binary without using an array.

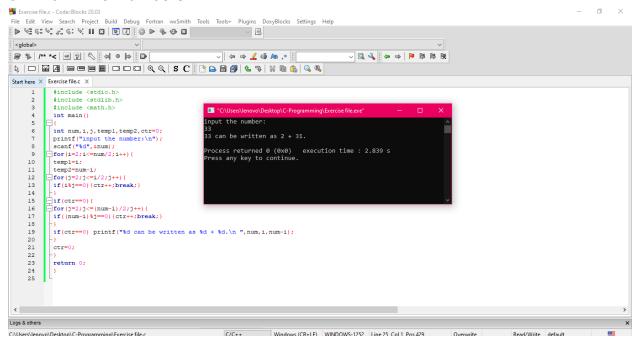


Q15. Write a program in c to find the Sum of GP series.

```
- o ×
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

| Section of the Control of the Cont
                                                                                                                      ∨ main() : void
   ₩ /** *< | • | • | • | • | • | • | • |
                                                                                                                                                                                                                                                                                                                                            ∨ | ← → <u>4</u> ⊕ Aa .* [[
   Start here X Exercise file.c X
                                        void main()
                                                 Find the Sum of GP series.:
Input the first number of the G.P. series: 3
nput the number or terms in the G.P. series: 8
nput the common ratio of G.P. series: 2
                10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
                                                                                                                                                                                                                                                                                     he numbers for the G.P. series:
3.000000 6.000000 12.000000 24.000000 48.000000 96.000000 192.000000 384.000000
                                                                                                                                                                                                                                                                                     he Sum of the G.P. series : 765.000000
                                                                                                                                                                                                                                                                                      sum=gl;
for(j=1;j<ntrm;j++)</pre>
                                                                     sum=sum+gpn;
printf("%f ",gpn);
Logs & others
C:\Users\lenovo\Desktop\C-Programming\Exercise file.c
                                                                                                                                                                                                                                                     Windows (CR+LF) WINDOWS-1252 Line 25, Col 1, Pos 619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Read/Write default
```

Q16. Write a program in C to Check Whether a Number can be Express as Sum of Two Prime Numbers.



Q17. Write a program in C to convert a decimal number to hexadecimal Test Data.

