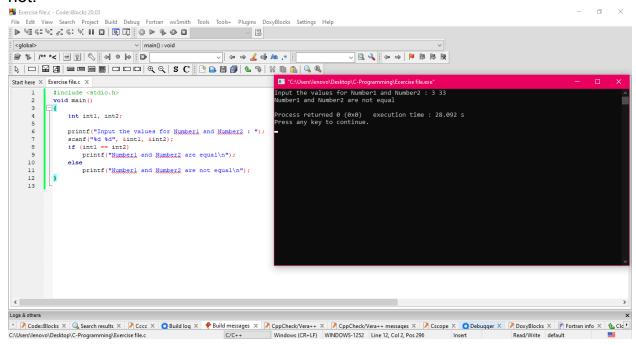
ASSIGNMENT 07

NAME : OM VIVEK GHARGE

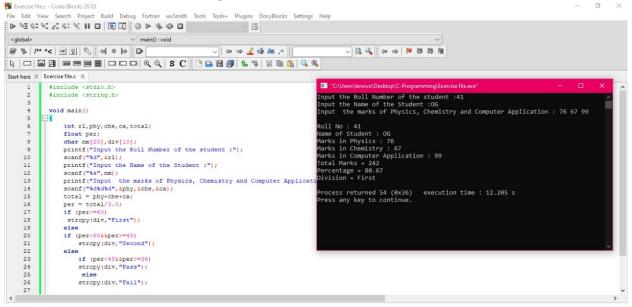
PRN: 2020BTEIT00041

BRANCH: INFORMATION TECHNOLOGY

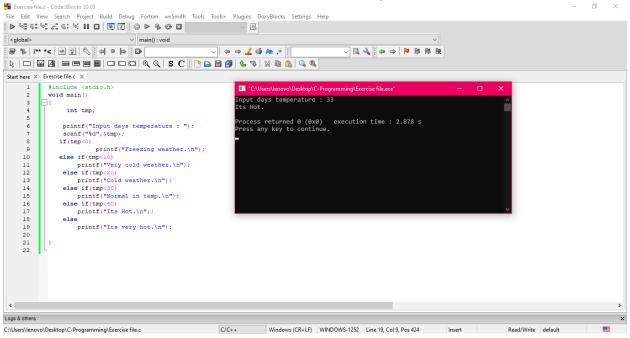
1) Write a C program to accept two integers and check whether they are equal or not.



2) Write a C program to read roll no, name and marks of three subjects and calculate the total, percentage and division.



3) Write a C program to read temperature in centigrade and display a suitable message according to temperature state below: Temp < 0 then Freezing weather Temp 0-10 then Very Cold weather Temp 10-20 then Cold weather Temp 20-30 then Normal in Temp Temp 30-40 then Its Hot Temp >=40 then Its Very Hot Test Data: 42 Expected Output: Its very hot.



4) Write a C program to check whether a character is an alphabet, digit or special character.

```
Exercise file.c - Code::Blocks 20.03
                                                                                                                                         Ø X
Start here X Exercise file.c X
        #include <stdio.h>
int main()
                                                                           Input a character: Om Gharge
This is an alphabet.
            char sing_ch;
                                                                            rocess returned 0 (0x0) execution time : 6.272 \text{ s} ress any key to continue.
             printf("Input a character: ");
scanf("%s", &sing_ch);
             /* Checks whether it is an alphabet */
if((sing_ch>='a' && sing_ch<='z') || (sing_ch>='\lambda' && sing_ch<='Z'))
    10
11
12
13
14
15
16
17
18
19
20
21
22
23
                printf("This is an alphabet.\n");
             'else if(sing_ch>='0' && sing_ch<='9') /* whether it is digit */
               printf("This is a digit.\n");
             else /* Else special character */
                printf("This is a special character.\n");
```

5) Write a program in C to calculate and print the Electricity bill of a given customer. The customer id., name and unit consumed by the user should be taken from the keyboard and display the total amount to pay to the customer. The charge are as follow

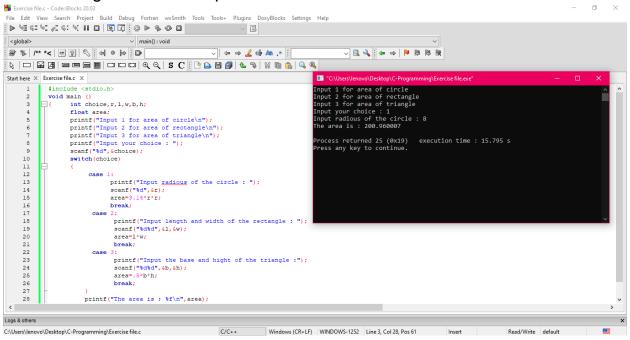
Unit upto 199 200 and above but less than 400 400 and above but less than 600 Charge/unit @1.20 @1.50 @1.80600 and above @2.00

If bill exceeds Rs. 400 then a surcharge of 15% will be charged and the minimum bill should be of Rs. 100/Test Data: 1001 James 800 Expected Output: Customer IDNO:1001 Customer Name: James unit Consumed: 800 Amount Charges @Rs. 2.00 per unit: 1600.00 Surchage Amount: 240.00 Net Amount Paid By the Customer: 1840.00

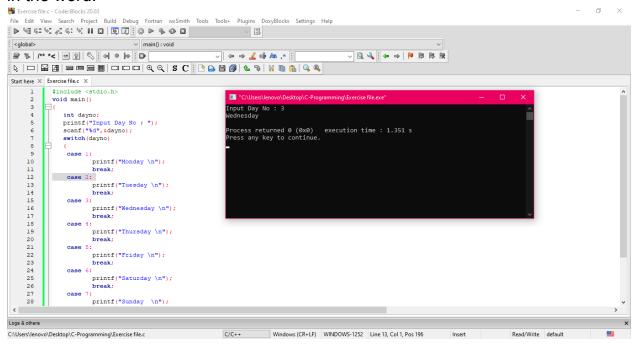
```
File Edit View Search Project Build Debug Fortran waSmith Tools Tools- Plugins DoxyBlocks Settings Help

| Set | S
  8 % /** *< @ P S 64 0 P D
                                                                                                                                                                                                                                              #include <stdio.h>
#include <string.h>
                                               void main()
                                                          int custid, conu;
float chg, surchg=0, gramt,netamt;
char connm[25];
                                                                                                                                                                                                                                                                                                                                              lectricity Bill
                                                          printf("Input Customer ID :");
                                                          printr("Input customer iD :");
scanf("%d", %custid);
printr("Input the name of the customer :");
scanf("%s",connm);
                                                                                                                                                                                                                                                                                                                                                                   ount Paid By the Customer
                                                          printf("Input the unit consumed by the customer: ");
scanf("%d", &conu);
if (conu <200)
                                                                                                                                                                                                                                                                                                                                                  ocess returned 46 (0x2E) execution time : 11.511 s less any key to continue.
                                                          else if (conu>=200 && conu<400)
                                                             chg = 1.50;
else if (conu>=400 && conu<600)
chg = 1.80;
                                                                       else
                 21
22
23
24
25
                                                         clse
    chg = 2.00;
gramt = conu*chg;
if (gramt>300)
    surchg = gramt*15/100.0;
netamt = gramt+surchg;
if (netamt < 100)</pre>
```

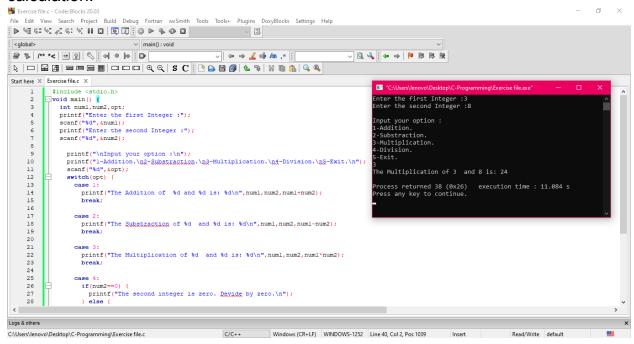
6) Write a program in C which is a Menu-Driven Program to compute the area of the various geometrical shape.



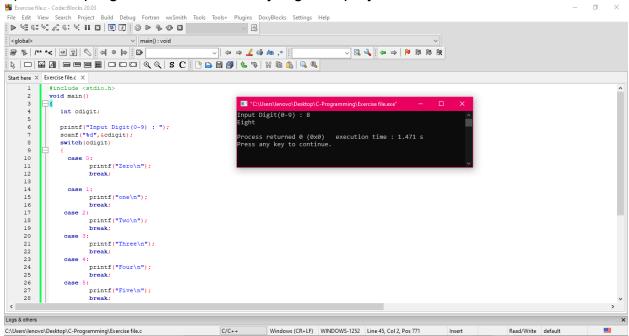
7) Write a program in C to read any day number in integer and display day name in the word.



8) Write a program in C which is a Menu-Driven Program to perform a simple calculation.



9) Write a program in C to read any digit, display in the word.



10) Write a program in C to read any Month Number in integer and display the number of days for this month.

