PG - DAC Sept 2023

Logical Building & Problem Solving

Assignment - 2(Date:11/09/2023)

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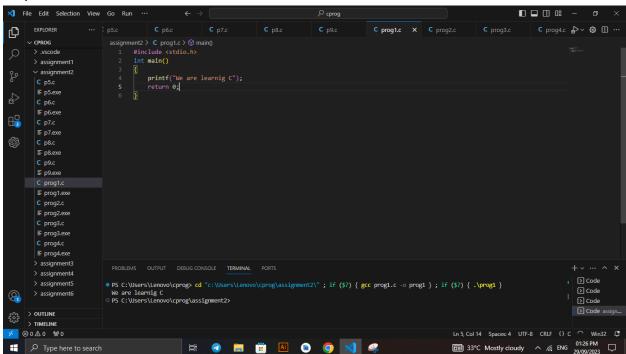
1. Write a program in C to print "We are learning C".

```
X File Edit Selection View Go Run
                                                                                          C cprog
                       ... p5.c
                                          C p6.c
Ф
       EXPLORER
                                                          C p7.c
                                                                          C p8.c
                                                                                           C p9.c
     assignment2 > C prog1.c > 分 main()
                                    #include <stdio.h>
       > .vscode
                                    int main()
       > assignment1
       assignment2
مړ
                                        printf("We are learnig C");
        C p5.c
                                        return 0;

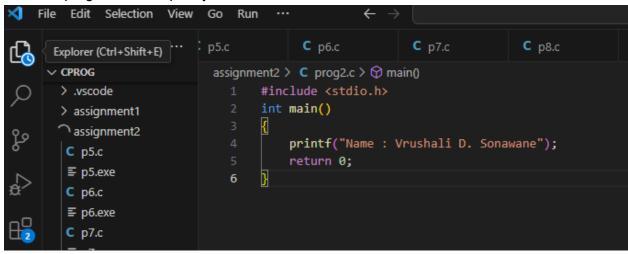
    p5.exe

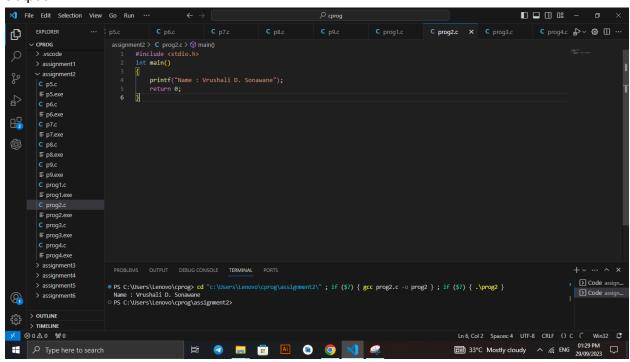
        C p6.c

    p6.exe
        C p7.c
```

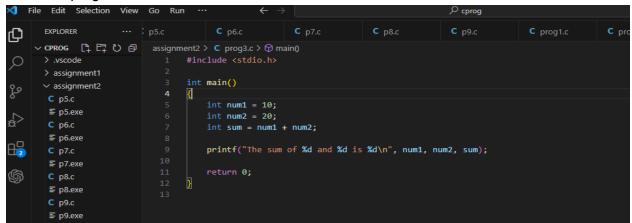


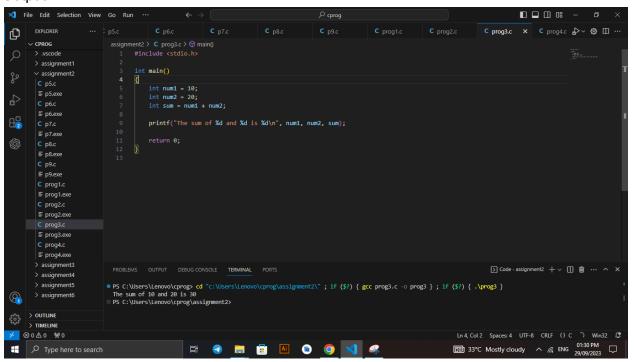
2. Write a program in C to print your name



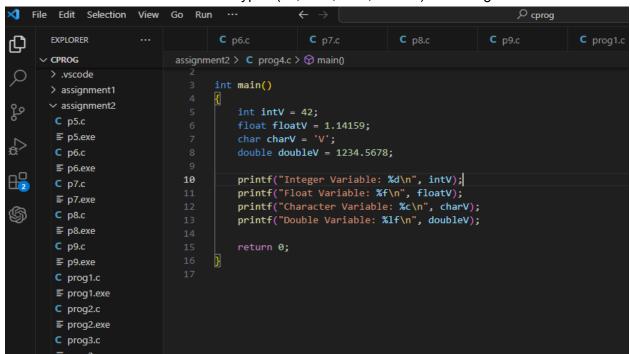


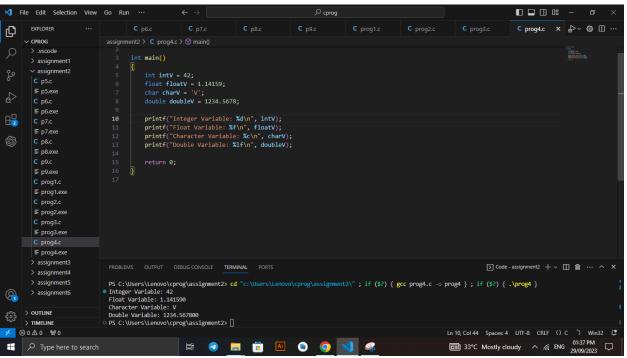
3. Write a program in C to add 10 and 20 and



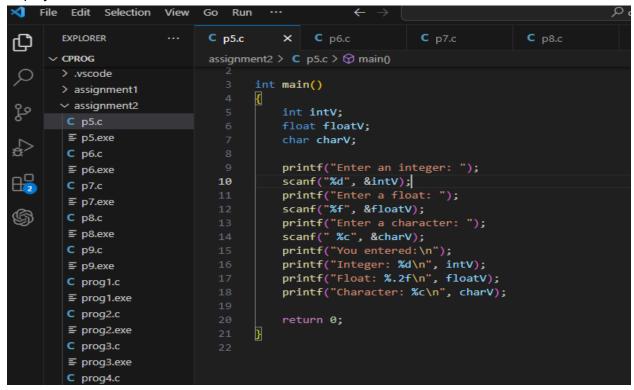


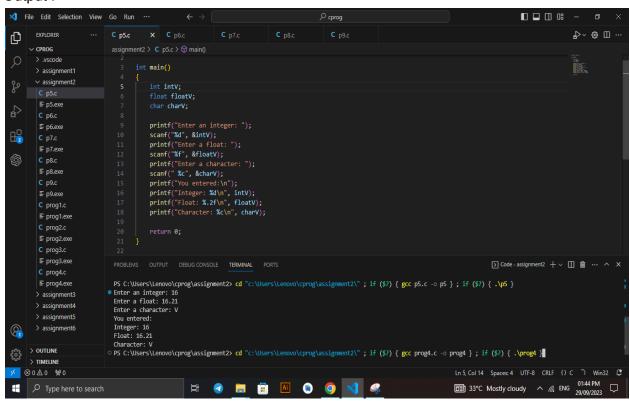
4. Declare variables of various data types (int, float, char, double) and assign values to them.



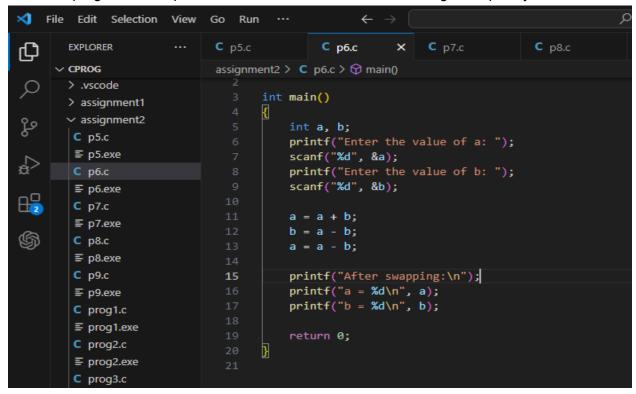


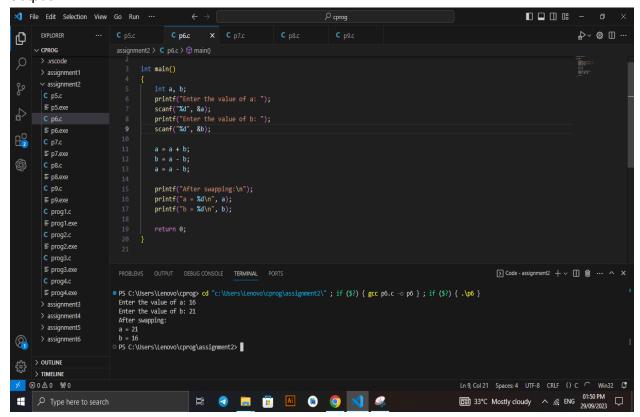
5. Write a program that takes user input for different data types (int, float, char) and then displays them.



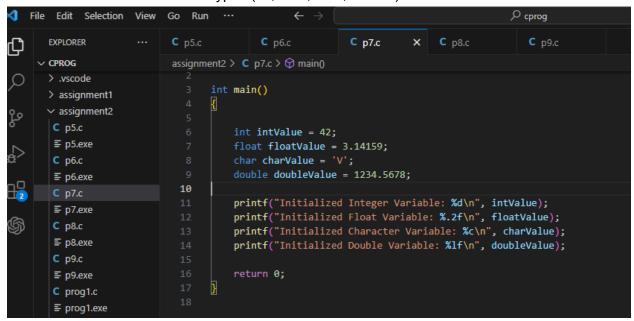


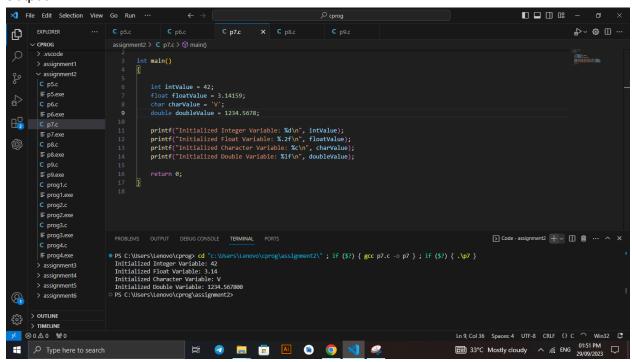
6. Write a program to swap the values of two variables without using a temporary variable.





7. Declare variables of different types (int, float, char, double) and initialize them with values





8. Write a program that takes user input for variables and displays them.

```
File Edit Selection
                                                                                               O cp
                        View
                              Go
                                  Run
                                               C p6.c
        EXPLORER
                               C p5.c
                                                                C p7.c
                                                                                 C p8.c
                                                                                             ×
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                               assignment2 > C p8.c > ...

✓ CPROG

                                      #include <stdio.h>
        .vscode
Q
        > assignment1
                                      int main()
       assignment2
ڡۯ
        C p5.c
                                          int intValue;
        float floatValue;
        C p6.c
                                          char charValue;
        printf("Enter an integer: ");
        C p7.c
                                          scanf("%d", &intValue);
        printf("Enter a float: ");
(G)
        C p8.c
                                          scanf("%f", &floatValue);

≡ p8.exe

                                          printf("Enter a character: ");
        C p9.c
                                          scanf(" %c", &charValue);

    p9.exe
                                          printf("You entered:\n");
        C prog1.c
                                          printf("Integer: %d\n", intValue);

    □ prog1.exe

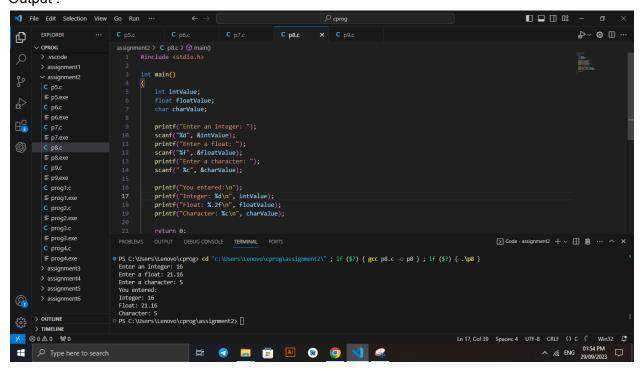
                                          printf("Float: %.2f\n", floatValue);
        C prog2.c
                                          printf("Character: %c\n", charValue);

≡ prog2.exe

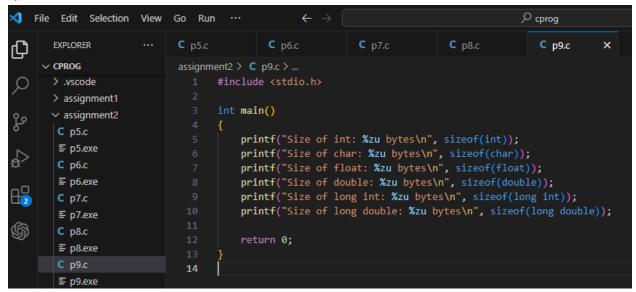
        C prog3.c
                                          return 0;

■ prog3.exe

        C prog4.c
```



9. Write a program to determine the sizes (in bytes) of various data types using the size of operator.



Output: u

