

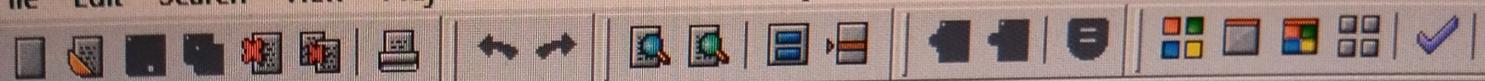
C, C++ and DSA in Depth

Assignment-3: Operators in C Language

1. Write a program to calculate size of a character constant.
2. Write a program to calculate size of a real constant.
3. Write a program with one char type variable. Assign 'A' in the variable. Now change the value of variable from 'A' to 'B' using increment operator.
4. Write a program to print unit digit of a given number
5. Write a program to print a given number without its last digit.
6. Write a program to swap values of two int variables
7. Write a program to swap values of two int variables without using a third variable.
8. Write a program to swap values of two int variables without using third variable and without using +, - operators.
9. Write a program to swap values of two int variables without using third variable and arithmetic operators.
10. Write a program to swap values of two int variables in single line arithmetic expression.

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assig3.1.cpp assig3.2.cpp assig3.3.cpp assig3.4.cpp assig3.5.cpp assig3.6.cpp assig3.7.cpp assig3.8.cpp

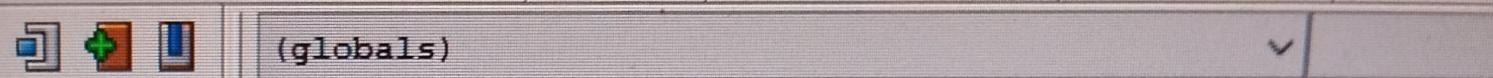
```
1 #include<stdio.h>
2
3 // size of character constant.
4
5 int main()
6 {
7     int x;
8     x=sizeof(char);
9     printf("%d",x);
```

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- Output Size: 149.337890625 KiB
- Compilation Time: 3.14s

Shorten compiler output

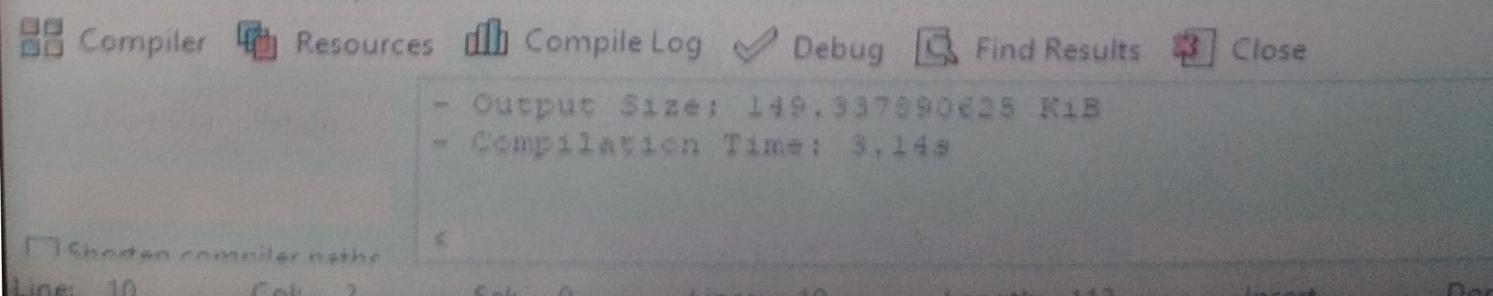
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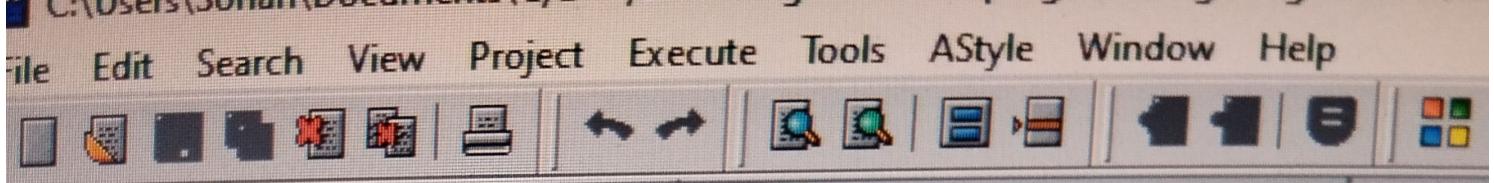


assig3.1.cpp assig3.2.cpp assig3.3.cpp assig3.4.cpp assig3.5.cpp assig3.6.cpp assig3.7.cpp

```
1 #include<stdio.h>
2
3 //size of real conatant.
4
5 int main()
6 {
7     int x;
8     x=sizeof(7.4);
9     printf("%d",x);
10}
```

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assig3.1.cpp assig3.2.cpp assig3.3.cpp assig3.4.cpp assig3.5.cpp assig3.6.cpp assig

```
1 #include<stdio.h>
2
3 int main(){
4     char ch='A';
5     ++ch;
6     printf("%c",ch);
7
8 }
```

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assig3.1.cpp assig3.2.cpp assig3.3.cpp assig3.4.cpp assig3.5.cpp assig3.6.cpp assig3.7.cpp a

```
1 #include<stdio.h>
2
3 int main(){
4
5     int x;
6     printf("Enter the any no.");
7     scanf("%d",&x);
8     printf("Unit digit of given no. %d",x%10);
9 }
```

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Shorten compiler output Line: 1 Col: 1 Sel: 0 Lines: 9 Length: 143 Insert Done

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assig3.1.cpp assig3.2.cpp assig3.3.cpp assig3.4.cpp assig3.5.cpp assig3.6.cpp assig3.7.cpp as

```
1 #include<stdio.h>
2 int main()
3 {
4     int x;
5     printf("Enter the any no.");
6     scanf("%d", &x);
7     printf("Given no. is without last digit %d", x/10);
```

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Shorten compiler output Line: 7 Col: 2 Sel: 0 Lines: 7 Length: 146 Insert Done

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assig3.1.cpp assig3.2.cpp assig3.3.cpp assig3.4.cpp assig3.5.cpp assig3.6.cpp assig3.7.cpp assig3.

```
1 #include<stdio.h>
2 int main(){
3     int num1,num2,temp;
4     printf("Enter any two no.");
5     scanf("%d %d",&num1,&num2);
6     temp=num1;
7     num1=num2;
8     num2=temp;
9     printf("After swap of given no. %d %d",num1,num2);
10 }
```

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(globals)

assig3.1.cpp assig3.2.cpp assig3.3.cpp assig3.4.cpp assig3.5.cpp assig3.6.cpp assig3.7.cpp assig3.8.

```
1 #include<stdio.h>
2 int main(){
3     int num1,num2;
4     printf("Enter any two no.");
5     scanf("%d %d",&num1,&num2);
6     num1=num1+num2;
7     num2=num1-num2;
8     num1=num1-num2;
9     printf("After swap of given no. %d %d ",num1,num2);
10 }
```

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(globals)

assig3.1.cpp assig3.2.cpp assig3.3.cpp assig3.4.cpp assig3.5.cpp assig3.6.cpp assig3.7.cpp assig3.8.cpp

```
1 #include<stdio.h>
2 int main(){
3     int num1,num2;
4     printf("Enter any two no.");
5     scanf("%d %d",&num1,&num2);
6     num1=num1*num2;
7     num2=num1/num2;
8     num1=num1/num2;
9     printf("After swap of given no. %d %d",num1,num2);
10 }
```

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(globals)

assig3.1.cpp assig3.2.cpp assig3.3.cpp assig3.4.cpp assig3.5.cpp assig3.6.cpp assig3.7.cpp

```
1 #include<stdio.h>
2 int main(){
3     int num1,num2;
4     printf("Enter any two no.");
5     scanf("%d %d",&num1,&num2);
6     num1=num1^num2;
7     num2=num1^num2;
8     num1=num1^num2;
9     printf("After swap of given no. %d %d",num1,num2);
10 }
11 |
```

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(globals)

assig3.1.cpp assig3.2.cpp assig3.3.cpp assig3.4.cpp assig3.5.cpp assig3.6.cpp assig3.7.cpp assig3.8.cpp

```
1 #include<stdio.h>
2 int main()
3     int a,b;
4     printf("Enter any two no.");
5     scanf("%d %d",&a,&b);
6     b=(a+b) - (a=b );
7     printf("After swap of given no %d %d",a,b);
8 
```

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Abc's Compilation

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Shorten compiler paths

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