

120CS0196

# PROGRAMMING LABORATORY-1

CS1000

Assignment-1

Group-'P7' Section:'E'

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Codes are uploaded on my GitHub account :  
<https://github.com/prachi237/justC>

# Assignment-1

1) Reads the length of the side of a square and prints the area.

//Reads the length of the side of a square and prints the area

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    float side;
```

```
    float area;
```

```
    printf("enter the magnitude of side:");
```

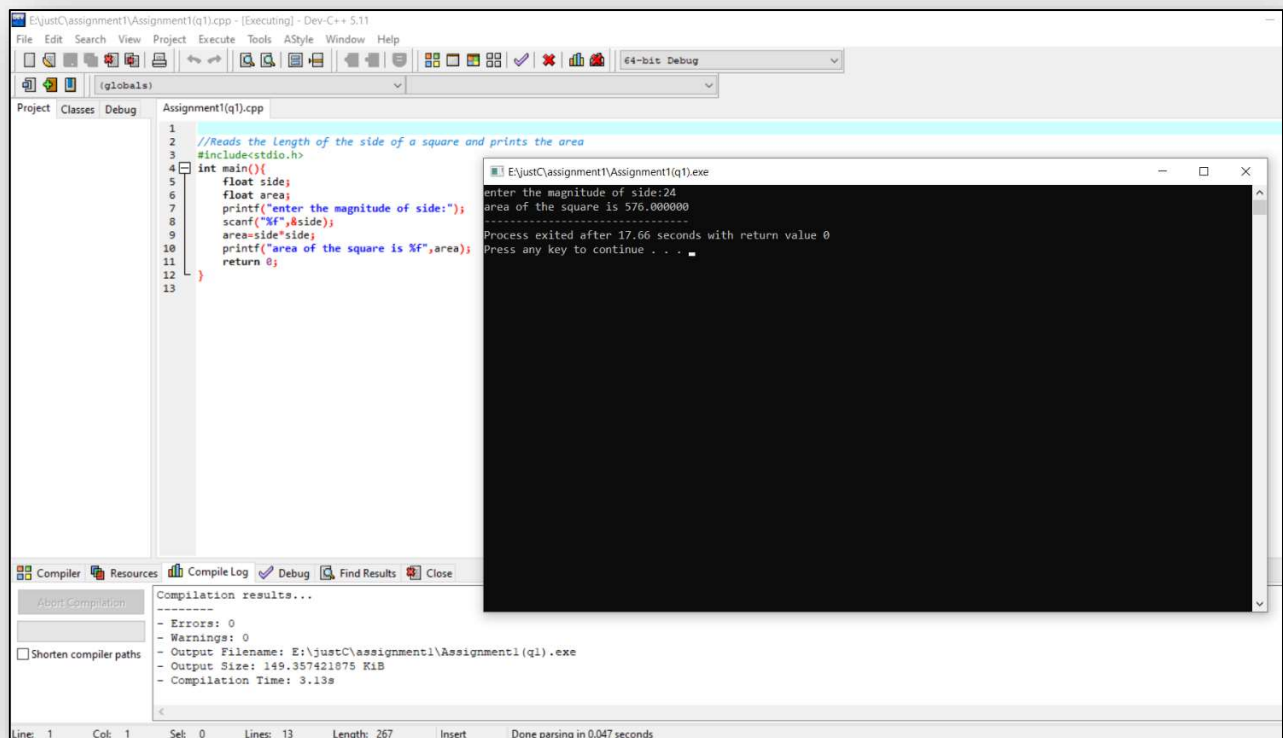
```
    scanf("%f",&side);
```

```
    area=side*side;
```

```
    printf("area of the square is %f",area);
```

```
    return 0;
```

```
}
```



2) Reads the scores of three different subjects and prints the average.

//Reads the scores of three different subjects and prints the average.

#include<stdio.h>

int main()

{

float sub1,sub2,sub3,avg;

printf("enter the scores of each subject");

scanf("%f%f%f",&sub1,&sub2,&sub3);

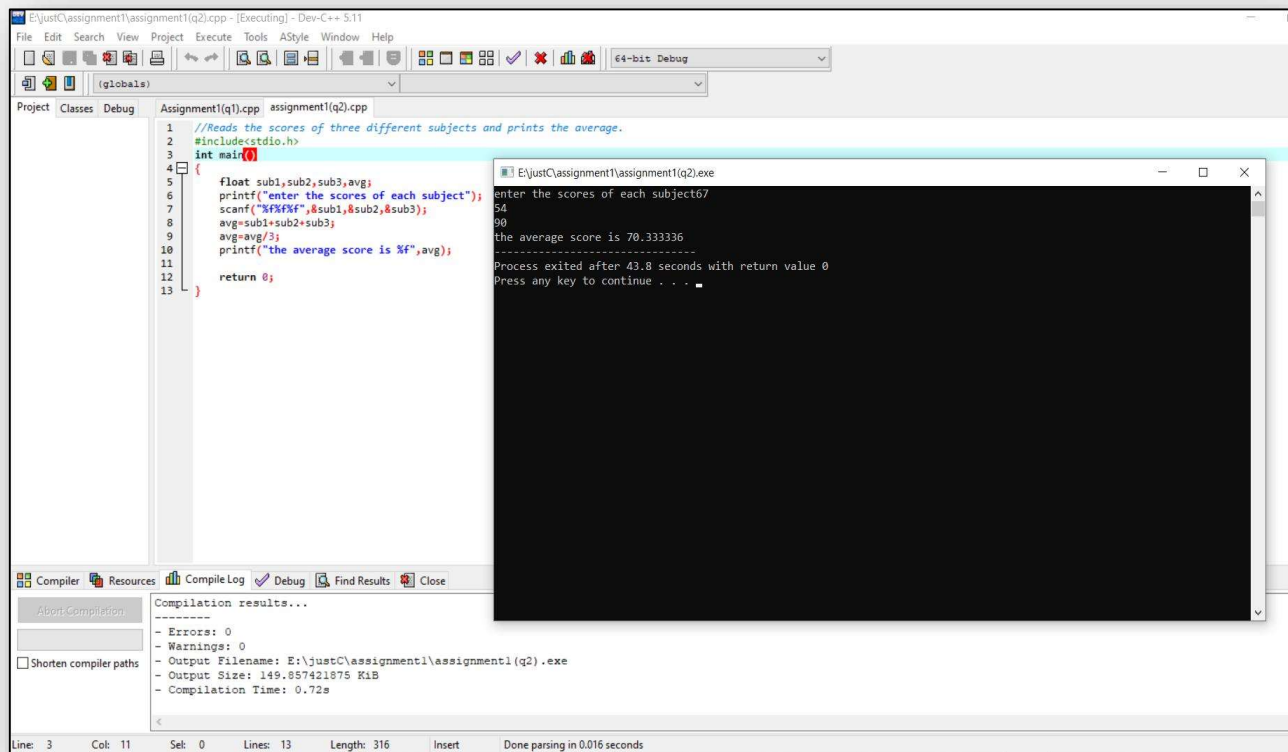
avg=sub1+sub2+sub3;

avg=avg/3;

printf("the average score is %f",avg);

return 0;

}



The screenshot shows a C++ IDE with the following components:

- Code Editor:** Displays the C++ code for calculating the average of three subjects. The code is as follows:

```
1 //Reads the scores of three different subjects and prints the average.
2 #include<stdio.h>
3 int main()
4 {
5     float sub1,sub2,sub3,avg;
6     printf("enter the scores of each subject");
7     scanf("%f%f%f",&sub1,&sub2,&sub3);
8     avg=sub1+sub2+sub3;
9     avg=avg/3;
10    printf("the average score is %f",avg);
11
12    return 0;
13 }
```
- Output Window:** Shows the execution of the program. It displays the prompt "enter the scores of each subject", followed by the input "67 54 90", and the output "the average score is 70.333336". It also shows "Process exited after 43.8 seconds with return value 0" and "Press any key to continue . . .".
- Compiler Output Window:** Shows the compilation results, indicating "Errors: 0", "Warnings: 0", and "Compilation Time: 0.72s".

3) Read your name, roll number and branch and print it.

//Read your name, roll number and branch and print it.

#include<stdio.h>

int main()

{

char name[20];

char roll[10];

char branch[20];

printf("enter your name, roll number, branch");

scanf("%s%s%s",&name,&roll,&branch);

printf("My name is %s",name);

printf("\n");

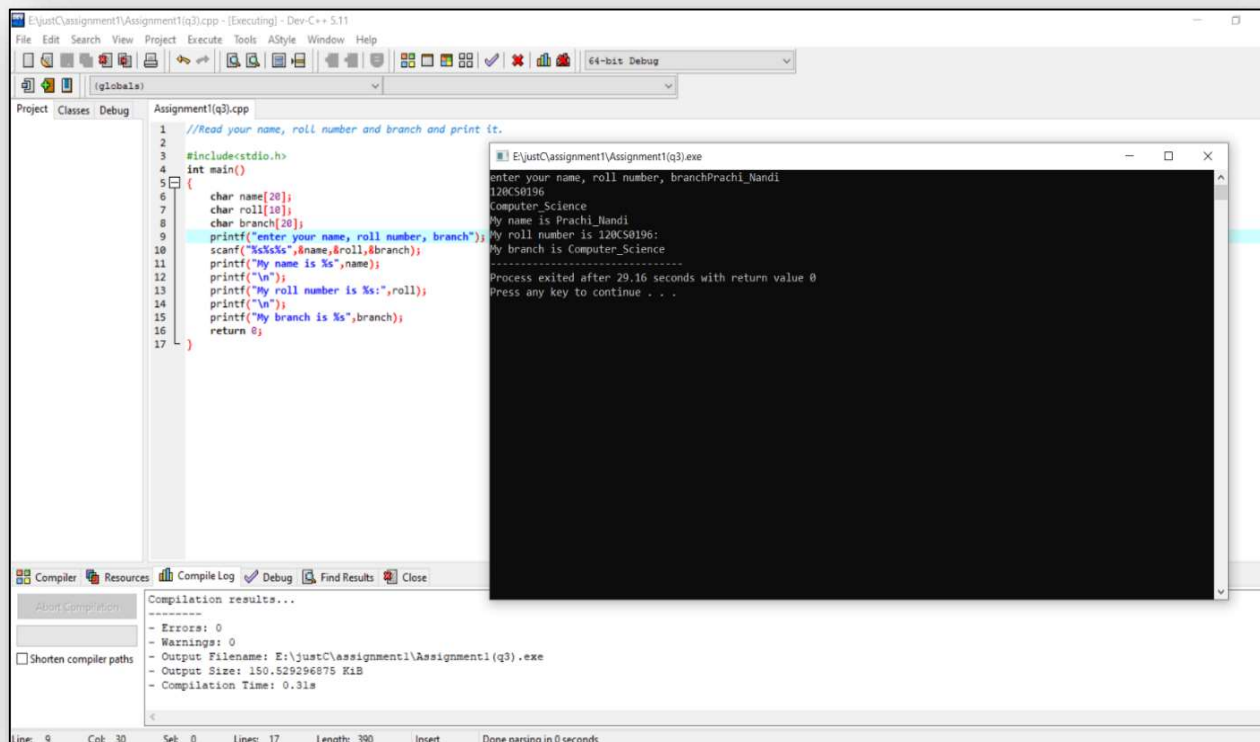
printf("My roll number is %s:",roll);

printf("\n");

printf("My branch is %s",branch);

return 0;

}



The screenshot shows a C++ IDE with the following components:

- Code Editor:** Displays the C++ code for reading and printing name, roll number, and branch. The code is as follows:

```
1 //Read your name, roll number and branch and print it.
2
3 #include<stdio.h>
4 int main()
5 {
6     char name[20];
7     char roll[10];
8     char branch[20];
9     printf("enter your name, roll number, branch");
10    scanf("%s%s%s",&name,&roll,&branch);
11    printf("My name is %s",name);
12    printf("\n");
13    printf("My roll number is %s:",roll);
14    printf("\n");
15    printf("My branch is %s",branch);
16
17    return 0;
18 }
```
- Output Window:** Shows the execution output:

```
enter your name, roll number, branchPrachi_Nandi
120CS0196
Computer_Science
My name is Prachi_Nandi
My roll number is 120CS0196:
My branch is Computer_Science
-----
Process exited after 29.16 seconds with return value 0
Press any key to continue . . .
```
- Compiler Log:** Shows the compilation results:

```
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: E:\justC\assignment1\Assignment1(q3).exe
- Output Size: 150.529296875 KiB
- Compilation Time: 0.31s
```

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Submitted by: Prachi Nandi 120CS0196

THANK YOU