


c programming assignment 1

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1 17. Area perimeter of a square.

```
#include <stdio.h>
int main() {
    float side, area, perimeter;
    printf("Enter side length of square: ");
    scanf("%f ", &side);
    area = side * side;
    perimeter = 4 * side;
    printf("area = %.2f,primeter = %.2f\n", area, perimeter);
    return 0;
}
```



The screenshot shows a code editor with a file named 'main.c'. The code is a C program to calculate the area and perimeter of a square. It prompts the user to enter the side length, which is 25. The program then calculates the area as 625.00 and the perimeter as 100.00. The output is displayed on the right side of the editor.

```
main.c
1 #include <stdio.h>
2 int main() {
3     float side, area, perimeter;
4     printf("Enter side length of square: ");
5     scanf("%f ", &side);
6     area = side * side;
7     perimeter = 4 * side;
8     printf("area = %.2f,primeter = %.2f\n", area, perimeter);
9     return 0;
10 }
```

Output

```
Enter side length of square: 25
area = 625.00,primeter = 100.00

=== Code Execution Successful ===
```

Figure 1: program 17