

Exp: Write a program to calculate the area and perimeter of a rectangle based on its length and width:

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

```
void main ()
```

```
{
```

```
    int length, width, area, perimeter;
```

```
    printf ("enter length");
```

```
    scanf ("%d" & length);
```

```
    printf ("enter width");
```

```
    scanf ("%d" & width);
```

```
    area = length * width
```

```
    perimeter = 2 * (length + width)
```

```
    printf ("the area of rectangle is %d/n", area);
```

```
    printf ("the perimeter of rectangle is %d", perimeter);
```

```
}
```

Teacher's Signature: \_\_\_\_\_

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main.c

```
1 #include <stdio.h>
2
3 void main()
4 {
5     float length,width,area,perimeter;
6
7     printf("enter the length of the rectangle");
8     scanf("%f", &length);
9
10    printf("enter the width of the rectangle");
11    scanf("%f", &width);
12
13    area = length*width;
14    perimeter = 2*(length+width);
15
16    printf("Area of rectangle : %2f\n", area);
17    printf("perimeter of rectangle : %2f\n", perimeter);
18
19 }
```

Output

```
enter the length of the rectangle15
enter the width of the rectangle20
Area of rectangle : 300.000000
perimeter of rectangle : 70.000000

=== Code Exited With Errors ===
```

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