

Experiment No. 3015 Name: \_\_\_\_\_

#include &lt;stdio.h&gt;

int main ()

{

float L1, b2, L2, b2, L3, b3 ;

float P1, P2, P3, max ;

printf ("enter length of first rectangle: ");

scanf ("%f", &amp;L1);

printf ("enter breadth of first rectangle: ");

scanf ("%f", &amp;b1);

printf ("enter length of second rectangle: ");

scanf ("%f", &amp;L2);

printf ("enter breadth of second rectangle: ");

scanf ("%f", &amp;b2);

printf ("enter length of third rectangle: ");

scanf ("%f", &amp;L3);

printf ("enter breadth of third rectangle: ");

scanf ("%f", &amp;b3);

$$P1 = 2 * (L1 + b1);$$

$$P2 = 2 * (L2 + b2);$$

$$P3 = 2 * (L3 + b3);$$

$$\max = (P1 > P2) ? ((P1 > P3) ? P1 : P3) : ((P2 > P3) ? P2 : P3);$$

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

Experiment No. \_\_\_\_\_ Name: \_\_\_\_\_

```
printf("highest perimeter is : %.2f \n", max);  
return 0;  
}
```

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main.c

```
2 int main() {  
3     float l1,b1,l2,b2,l3,b3;  
4     float p1,p2,p3,max;  
5  
6     printf("enter length of first rectangle: ");  
7     scanf("%f",&l1);  
8     printf("enter breadth of first rectangle: ");  
9     scanf("%f",&b1);  
10  
11    printf("enter length of second rectangle: ");  
12    scanf("%f",&l2);  
13    printf("enter breadth of second rectangle: ");  
14    scanf("%f",&b2);  
15  
16    printf("enter length of third rectangle: ");  
17    scanf("%f",&l3);  
18    printf("enter breadth of third rectangle: ");  
19    scanf("%f",&b3);  
20  
21    p1 = 2 * (l1+b1);  
22    p1 = 2 * (l2+b2);  
23    p1 = 2 * (l3+b3);  
24  
25    max = (p1 > p2) ?((p1 > p3) ? p1 : p3) : ((p2 > p3)? p2 : p3);  
26    printf("highest perimeter is : %.2f \n",max);  
27    return 0 ;
```

Output

```
enter length of first rectangle: 2  
enter breadth of first rectangle: 4  
enter length of second rectangle: 6  
enter breadth of second rectangle: 7  
enter length of third rectangle: 2  
enter breadth of third rectangle: 9  
highest perimeter is : 22.00  
  
== Code Execution Successful ==
```

Clear

30°C Sunny

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