

5- #include <stdio.h> // header file

```

int main() {
    int l1, b1, l2, b2, l3, b3; // variable declaration
    int P1, P2, P3, max; // variable declaration
    printf("Enter length & breadth of rectangle 1:");
    scanf("%d %d", &l1, &b1);
}

```

```

printf("Enter length & breadth of rectangle 2:");
scanf("%d %d", &l2, &b2);
}

```

```

printf("Enter length & breadth of rectangle 3:");
scanf("%d %d", &l3, &b3);
}

```

$$P1 = 2 * (l1 + b1);$$

$$P2 = 2 * (l2 + b2);$$

$$P3 = 2 * (l3 + b3);$$

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

```

if (max == P1)
    printf("Rectangle 1 has highest Perimeter=%d\n",
           max);
}

```

```

else if (max == P2)
}

```

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printf ("Rectangle 2 has highest perimeter=%d\n",
 max);
else
 printf ("Rectangle 3 has highest perimeter=%d\n",
 max);
return 0;
}

6) #include

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← →

main.c

C main.c M X

```
C main.c > C main.c
1 #include <stdio.h>
2
3 int main() {
4     int l1, b1, l2, b2, l3, b3;
5     int p1, p2, p3, max;
6
7
8     printf("Enter length and breadth of rectangle 1: ");
9     scanf("%d %d", &l1, &b1);
10
11    printf("Enter length and breadth of rectangle 2: ");
12    scanf("%d %d", &l2, &b2);
13
14    printf("Enter length and breadth of rectangle 3: ");
15    scanf("%d %d", &l3, &b3);
16
17
18    p1 = 2 * (l1 + b1);
19    p2 = 2 * (l2 + b2);
20    p3 = 2 * (l3 + b3);
21
22
23    max = (p1 > p2) ? ((p1 > p3) ? p1 : p3) : ((p2 > p3) ? p2 : p3);
24
25    if (max == p1)
26        printf("Rectangle 1 has the highest perimeter = %d\n", max);
27    else if (max == p2)
28        printf("Rectangle 2 has the highest perimeter = %d\n", max);
29    else
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

- abhaygupta@Abhays-MacBook-Air main.c % gcc main.c
- abhaygupta@Abhays-MacBook-Air main.c % ./a.out
- Enter length and breadth of rectangle 1: 20
- 30
- Enter length and breadth of rectangle 2: 30
- 40
- Enter length and breadth of rectangle 3: 40
- 50
- Rectangle 3 has the highest perimeter = 180
- abhaygupta@Abhays-MacBook-Air main.c %

zsh

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Misraspatti | 10 September 2025 at 12:12 pm

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