

Practice Problem

1. Write a program that takes the length and width of a rectangle as input and calculates both the area and perimeter.

```
# Input: length = 4, width = 7  
  
# Output: Area = 28, Perimeter = 22
```

2. Write a program that takes three numbers as input and calculates their average.

```
# Input: 5, 10, 15  
  
# Output: Average = 10.0
```

3. Write a program that takes two numbers and prints both the quotient and the remainder when the first number is divided by the second.

```
# Input: 10, 3  
  
# Output: Quotient = 3, Remainder = 1
```

4. Write a program that takes the radius of a circle as input and calculates both the circumference and the area.

- **Circumference** = $2 \times \pi \times \text{radius}$
- **Area** = $\pi \times \text{radius}^2$

```
# Input: radius = 5  
  
# Output: Circumference = 31.4159, Area = 78.53975
```

5. Write a program that takes a time duration in seconds and converts it to minutes and hours. Print both the minutes and hours.

```
# Input: 7200 seconds  
  
# Output: Minutes = 120, Hours = 2
```

6. Write a program that will take a book price and print the price after 20% discount.

```
Enter the book price: 50  
  
Price after 20% discount: 40.0
```

7. Write a program that will print the last digit of an integer number.

```
The number : 1234  
  
Output: The last digit is : 4
```