1. Write a Java program to convert temperature from Fahrenheit to Celsius degree.

Test Data
Input a degree in Fahrenheit: 212
Expected Output:
212.0 degree Fahrenheit is equal to 100.0 in Celsius

2. Write a Java program that reads a number in inches, converts it to meters.
Note: One inch is 0.0254 meter.
Test Data
Input a value for inch: 1000
Expected Output:
1000.0 inch is 25.4 meters

3. Write a Java program that reads an integer between 0 and 1000 and adds all the digits in the integer.

Test Data
Input an integer between 0 and 1000: 565
Expected Output:
The sum of all digits in 565 is 16

4. Write a Java program to convert minutes into a number of years and days.
Test Data
Input the number of minutes: 3456789
Expected Output:
3456789 minutes is approximately 6 years and 210 days

5. Write a Java program that prints the current time in GMT.

Test Data
Input the time zone offset to GMT: 256
Expected Output:
Current time is 23:40:24

6. Write a Java program to compute body mass index (BMI). *Test Data*
Input weight in pounds: 452
Input height in inches: 72
Expected Output:
Body Mass Index is 61.30159143458721

7. Write a Java program to takes the user for a distance (in meters) and the time was taken (as three numbers: hours, minutes, seconds), and display the speed, in meters per second, kilometers per hour and miles per hour (hint: 1 mile = 1609 meters).

 Test Data
Input distance in meters: 2500
Input hour: 5
Input minutes: 56
Input seconds: 23
Expected Output :
Your speed in meters/second is 0.11691531
Your speed in km/h is 0.42089513
Your speed in miles/h is 0.26158804

8. Write a Java program that reads a number and display the square, cube, and fourth power.

Expected Output:
Square: .2f
Cube: .2f
Fourth power: 50625.00

9. Write a Java program that accepts two integers from the user and then prints the sum, the difference, the product, the average, the distance (the difference between integer), the maximum (the larger of the two integers), the minimum (smaller of the two integers). *Test Data*
Input 1st integer: 25
Input 2nd integer: 5
Expected Output:
Sum of two integers: 30

Difference of two integers: 20
Product of two integers: 125
Average of two integers: 15.00
Distance of two integers: 20
Max integer: 25
Min integer: 5

10. Write a Java program to break an integer into a sequence of individual digits.

Test Data
Input six non-negative digits: 123456
Expected Output :
1 2 3 4 5 6