

1. Write a program that will ask the user to enter three double values, and will calculate and display the average of the values.
2. Write a program that prompts a user to enter the radius and height of a cylinder, and outputs its volume. Use a constant value of 3.141592 for π .

(volume of a cylinder = $\pi r^2 h$)
3. Write a program that will ask the user to enter the price of an item and the amount tendered. The program will then display the amount of change due.
4. Write a program that will prompt the user to enter the price of three different products in a sale where a discount of 10% is applied. Display the gross amount of the 3 items, the discount earned, and the total amount due.
5. Write a program which will ask the user to enter their height in inches, and which will then calculate and display their height in feet and inches. Note that there are 12 inches in a foot.

(Hint: Use modulus operator %)

6. Write a program that will ask you to enter your first name and surname. The program should read these into separate variables before displaying your full name on screen.

```
Please enter your first name: Ronald
Please enter your second name: McDonald
Your full name is Ronald McDonald
```

7. Write a Java program that will read in two numbers from the keyboard and will display the result of dividing the second number into the first.

Example output:

```
34 divided by 10 equals 3 remainder 4.
```