

1. Complete the following table, using `int` or `double` where appropriate.

Data	Java Data Type
A person's age	<code>int</code>
Price of an All-Ireland ticket	
Number of people at a match	
Number of days in a week	
Your height in metres	
Number of balls in a lotto draw	
Amount of the lotto jackpot	
Bank account number	
Bank account balance	

2. What is the data type of each of the following?

Data	Java Data Type
12	<code>int</code>
-456	
'A'	
12.56	
4	
0.0	
'x'	

3. Write a variable declaration for each of the following:

Data	Declaration
Price of a DVD	<code>double price;</code>
Mark in an exam	
Number of goals scored in a match	
Your first initial	
Rate per hour	
Radius of a circle	
Exam grade (A, B, C, D, E or F)	
Number of days in a year	
Bank account balance	

4. Enter the following program and save, compile and run it. Comment and indent your program as appropriate.

```
public class CurrentYear
{
    public static void main(String[ ] args)
    {
        //declare variable to hold year
        int year;

        //assign value to year
        year = 2020;

        //display current year on screen
        System.out.print("The current year is ");
        System.out.println(year);
    }
}
```

5. Write a program which uses variables for the price of a book and the number of books in stock. Assign these variables with values 10.99 and 120. Display the information on screen as follows:

```
Price of Book:      10.99
Quantity in Stock:  120
```

6. Write a program declaring suitable variables for each of the following:

- Employee number
- Salary

Assign appropriate values to each of the variables, and display an employee's details on screen.

7. Write a program declaring suitable variables to store today's date (day, month and year). Assign values to each of the three variables and display today's date on screen as follows.

```
Today's date is:    30 9 2020
```

8. Write a program which uses two separate variables to hold your first initial and second initial. Assign values to each of the variables and display your initials on screen as follows:

```
My initials are J B
```