

1. Enter the following program and save, compile and run it. Add comments as appropriate.

```
public class LargestTester{

    public static void main(String[] args)
    {
        Scanner keyIn = new Scanner(System.in);
        int largest;
        int first, second;
        System.out.print ("Type in first number ");
        first = keyIn.nextInt();
        System.out.print ("Type in second number ");
        second = keyIn.nextInt();

        largest = max(first, second);
        System.out.println("The number is " + largest);
    }

    public static int max(int num1, int num2)
    {
        if (num1 > num2)
        {
            return num1;
        }
        else
        {
            return num2;
        }
    }
}
```

2. Write a method that will accept 3 integer values and will return the smallest. Write the code to call this method.
3. Write a method that accept 3 integer values and return the highest value. Test this method.
4. Write a method that will accept an integer parameter and will return true if the number is even or return false if it odd. Write a program that calls this method and then displays an appropriate message on screen. Your method will return a boolean value of true or false.
5. Write a method called `calcCompoundInterest()` which will accept parameters amount, term in years and interest rate and will calculate and return the interest earned. Hint – use a `for` loop in the method to calculate and add the interest every year. Write the code to call this method.
6. Write a method that accept 3 integer values and return the middle value. Hint: the middle value is the one that is not the highest or lowest. Use methods written in Question 2 and 3 above. Test this method.