1. A Complete Java Program
Type and compile this program

```java
public class YourClass {
    public static void main(String[] args) {
        int year = 2008;

        System.out.println("It is "+year);
    }
}
```

2. Expression and Operator Precedence

<table>
<thead>
<tr>
<th>Operator</th>
<th>Precedence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postfix</td>
<td>expr++ expr--</td>
</tr>
<tr>
<td>Unary</td>
<td>++expr --expr +expr --expr</td>
</tr>
<tr>
<td>Type conversion</td>
<td>(type) (double)</td>
</tr>
<tr>
<td>Multiplicative</td>
<td>* / %</td>
</tr>
<tr>
<td>Additive</td>
<td>+ -</td>
</tr>
<tr>
<td>Assignment</td>
<td>= += -= *= /=</td>
</tr>
</tbody>
</table>

- Write down the order of the precedence for every operator in each expression.
- What's the value of variables after the evaluation in each expression?
- Verify these results by writing a Java program.

```java
int x;
x = 3 * 7 - 6 + 2 * 5 / 4 + 6;

double f;
f = 4 * 3 + 7 / 5 - 25.5;

int m;
m = (int)(7.8 + (double)(15/2));

a = 23;
b = 5;
c = a + b++;
d = a + (++b);
```
3. String

- What's the value of str after the evaluation?
- Verify these results by writing a Java program.

```java
int num1 = 10;
int num2 = 2;
String str = "The difference is"+ (num1 - num2);
```

- Write a program which can output the following information

```java
If I had to live my life again,
I'd make the same mistakes,
Only sooner.
"Tallulah Bankhead" 1903-1968
```

- What is the output?

```java
int a = 11;
int b = 22;
int c = 33;
int d = 44;

s = "a=");
s += a;
s += "\n";
s += "b="+b+"\n";
s += "c="+c+"\n";
s += "d="+d+"\n";
System.out.println(s);
```
4. Input

1. Create a Scanner object and associate it with the standard input device: System.in
   Scanner console = new Scanner(System.in);

2. Input an integer
   int i = console.nextInt();

3. Input a double
   double d = console.nextDouble();

Write a program that prompts the user to input the radius of a sphere, then output the volume of the sphere.

\[ V = \frac{4}{3} \pi r^3 \]