Lab 1

Write a program that reads in the radius and length of a cylinder and computes the area and volume using the following formula:

area = radius * radius * π
volume = area * length

Here is a sample run:

Enter the radius of a cylinder: 5.5
Enter the length of a cylinder: 12

The volume is 1140.4

Notes:
- Your program displays "Enter the radius of a cylinder:" the user enters a real number, 5.5 for example.
  Then your program displays "Enter the length of a cylinder:" the user enters an integer number, 12 for example.

- For the value of π, please use Math.PI that is a constant defined in the Math class.

- There is no need to add any comments to your program.

- Please follow good programming style.

Marking Scheme

- [8 marks] Program works without any bugs.
- [2 marks] Presentation/Style: Organization and indentation