FURTHER EXERCISES

1. Write a program that asks the user to enter a number and displays the absolute value of that number.
2. Write a program that accepts two integer numbers and then finds the largest number entered. Use a ternary operator in your solution.
3. A triangle is valid if the sum of all the three angles is equal to 180 degrees. Write a program that asks the user to enter three integers as angles and check whether a triangle is valid or not.
4. Two numbers are entered through the keyboard. Write a program to find the value of one number raised to the power of another. (Do not use Java built-in method)
5. Write a program to print following

```
    *
   ***
  *****
 *******
*********
```

6. Write a program that prompts the user to input a positive integer. It should then print the multiplication table of that number up to 10.
7. Write a program to find the factorial value of any number entered through the keyboard.
8. Write a program that prompts the user to input a positive integer. It should then output a message indicating whether the number is a prime number.
9. Write a program to enter the numbers till the user wants and at the end the program should display the largest and smallest numbers entered.
10. Write a program to print Fibonacci series of n terms where n is input by user:
    0 1 1 2 3 5 8 13 24 .....
11. Write a program to print out all Armstrong numbers between 1 and 500. A number is an Armstrong number if it is equal to the sum of its own digits raised to the power of the number of digits. For example, the number 153 is an Armstrong number because when each digit is cubed (because 153 has 3 digits) and added together, the sum is 153.