Activity 8th June:

1. Write a Java program to compute the specified expressions and print the output.
Test Data:
((25.5 * 3.5 - 3.5 * 3.5) / (40.5 - 4.5))
Expected Output
2.138888888888889

2. Write a Java program to compute a specified formula.
Specified Formula :
4.0 * (1 - (1.0/3) + (1.0/5) - (1.0/7) + (1.0/9) - (1.0/11))
Expected Output
2.9760461760461765

3. Write a Java program to print the area and perimeter of a circle.
Test Data:
Radius = 7.5
Expected Output
Perimeter is = 47.12388980384689
Area is = 176.71458676442586

4. Write a Java program that takes three numbers as input to calculate and print the average of the numbers.

5. Write a Java program to print the area and perimeter of a rectangle.
Test Data:
Width = 5.5 Height = 8.5

Expected Output
Area is 5.6 * 8.5 = 47.60
Perimeter is 2 * (5.6 + 8.5) = 28.20

6. Write a Java program to convert an integer number to a binary number.
Input Data:
Input a Decimal Number : 5
Expected Output

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Binary number is: 101
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7.Generate 10 random number between 1 to 22.

8. Write a Java program to print the results of the following operations.
Test Data:
a. -5 + 8 * 6
b. (55+9) % 9
c. 20 + -3*5 / 8
d. 5 + 15 / 3 * 2 - 8 % 3
Expected Output :
43
1
19
13

9. Write a Java program that takes a number as input and prints its multiplication table up to 10.
Test Data:
Input a number: 8
Expected Output :
8 x 1 = 8
8 x 2 = 16
8 x 3 = 24
...
8 x 10 = 80

10. Write a Java program to swap two variables. Getting from the users.