



EXERCISE - METHODS

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Exercise - Methods

Ex-1	Write a Java method to find the smallest number among three numbers.
Input	Input the first number: 25 Input the Second number: 37 Input the third number: 29
Expected Output	The smallest value is 25
Comments	

Ex-2	Write a Java method to display the middle character of a string.
Input	Softech
Expected Output	t
Comments	a) If the length of the string is odd there will be two middle characters. b) If the length of the string is even there will be one middle character.

Ex-3	Write a Java method to count all vowels in a string.
Input	Softech
Expected Output	2
Comments	

Ex-4	Write a Java method to compute the future investment value at a given interest rate for a specified number of years.												
Input	Input the investment amount: 1000 Input the rate of interest: 10 Input number of years: 5												
Expected Output	<table> <thead> <tr> <th>Years</th><th>Future Value</th></tr> </thead> <tbody> <tr> <td>1</td><td>1104.71</td></tr> <tr> <td>2</td><td>1220.39</td></tr> <tr> <td>3</td><td>1348.18</td></tr> <tr> <td>4</td><td>1489.35</td></tr> <tr> <td>5</td><td>1645.31</td></tr> </tbody> </table>	Years	Future Value	1	1104.71	2	1220.39	3	1348.18	4	1489.35	5	1645.31
Years	Future Value												
1	1104.71												
2	1220.39												
3	1348.18												
4	1489.35												
5	1645.31												
Comments	Monthly compounded												

Core Java Exercise – Methods

Ex-5	Write a Java method to check whether a year (integer) entered by the user is a leap year or not.
Input	Enter a Year: 2012
Expected Output	True
Comments	

Ex-6	Write a Java method to check whether a string is a valid password.
Input	
Expected Output	<p>1. A password must have at least eight characters. 2. A password consists of only letters and digits. 3. A password must contain at least two digits</p> <p>Input a password (You are agreeing to the above Terms and Conditions.): pass1234</p> <p>Password is valid: pass1234</p>
Comments	<p>Password rules: A password must have at least ten characters. A password consists of only letters and digits. A password must contain at least two digits.</p>