1. Write a Java program to print 'Hello' on screen and then print your name on a separate line. Go to the editor

Expected Output :

Hello

Peter Seagel

2. Write a Java program to print the sum of two numbers. Go to the editor

Test Data:

74 + 36

Expected Output :

110

3. Write a Java program to divide two numbers and print on the screen. Go to the editor

Test Data :

50/3

Expected Output :

16

4. Write a Java program to print the result of the following operations. Go to the editor

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

5. Write a Java program that takes two numbers as input and display the product of two numbers. Go to the editor

Test Data:

Input first number: 25

Input second number: 5

Expected Output :

25 x 5 = 125

6. Write a Java program to print the sum (addition), multiply, subtract, divide and remainder of two numbers. Go to the editor

Test Data:

Input first number: 125

Input second number: 24

Expected Output :

125 + 24 = 149

125 - 24 = 101

125 x 24 = 3000

125 / 24 = 5

125 mod 24 = 5

7. Write a Java program that takes a number as input and prints its multiplication table upto 10. Go to the editor

Test Data:

Input a number: 8

Expected Output :

8 x 1 = 8

8 x 2 = 16

8 x 3 = 24

...

8 x 10 = 80

8. Write a Java program to display the following pattern. Go to the editor

Sample Pattern :

J a v v a

J a a v v a a

J J aaaaa V V aaaaa

JJ a a V a a

9. Write a Java program to compute the specified expressions and print the output. Go to the editor

Test Data:

((25.5 \* 3.5 - 3.5 \* 3.5) / (40.5 - 4.5))

Expected Output

2.138888888888889

10. Write a Java program to compute a specified formula. Go to the editor

Specified Formula :

4.0 \* (1 - (1.0/3) + (1.0/5) - (1.0/7) + (1.0/9) - (1.0/11))

Expected Output

2.9760461760461765

11. Write a Java program to print the area and perimeter of a circle. Go to the editor

Test Data:

Radius = 7.5

Expected Output

Perimeter is = 47.12388980384689

Area is = 176.71458676442586

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

13. Write a Java program to print the area and perimeter of a rectangle. Go to the editor

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

14. Write a Java program to print an American flag on the screen. Go to the editor

Expected Output

\* \* \* \* \* \* ==================================

\* \* \* \* \* ==================================

\* \* \* \* \* \* ==================================

\* \* \* \* \* ==================================

\* \* \* \* \* \* ==================================

\* \* \* \* \* ==================================

\* \* \* \* \* \* ==================================

\* \* \* \* \* ==================================

\* \* \* \* \* \* ==================================

==============================================

==============================================

==============================================

==============================================

==============================================

==============================================

15. Write a Java program to swap two variables. Go to the editor

16. Write a Java program to print a face. Go to the editor

Expected Output

+"""""+

[| o o |]

| ^ |

| '-' |

+-----+

17. Write a Java program to add two binary numbers. Go to the editor

Input Data:

Input first binary number: 10

Input second binary number: 11

Expected Output

Sum of two binary numbers: 101

18. Write a Java program to multiply two binary numbers. Go to the editor

Input Data:

Input the first binary number: 10

Input the second binary number: 11

Expected Output

Product of two binary numbers: 110

19. Write a Java program to convert a decimal number to binary number. Go to the editor

Input Data:

Input a Decimal Number : 5

Expected Output

Binary number is: 101

20. Write a Java program to convert a decimal number to hexadecimal number. Go to the editor

Input Data:

Input a decimal number: 15

Expected Output

Hexadecimal number is : F

21. Write a Java program to convert a decimal number to octal number. Go to the editor

Input Data:

Input a Decimal Number: 15

Expected Output

Octal number is: 17

22. Write a Java program to convert a binary number to decimal number. Go to the editor

Input Data:

Input a binary number: 100

Expected Output

Decimal Number: 4

23. Write a Java program to convert a binary number to hexadecimal number. Go to the editor

Input Data:

Input a Binary Number: 1101

Expected Output

HexaDecimal value: D

24. Write a Java program to convert a binary number to a Octal number. Go to the editor

Input Data:

Input a Binary Number: 111

Expected Output

Octal number: 7

25. Write a Java program to convert a octal number to a decimal number. Go to the editor

Input Data:

Input any octal number: 10

Expected Output

Equivalent decimal number: 8

26. Write a Java program to convert a octal number to a binary number. Go to the editor

Input Data:

Input any octal number: 7

Expected Output

Equivalent binary number: 111

27. Write a Java program to convert a octal number to a hexadecimal number. Go to the editor

Input Data:

Input a octal number : 100

Expected Output

Equivalent hexadecimal number: 40

28. Write a Java program to convert a hexadecimal to a decimal number. Go to the editor

Input Data:

Input a hexadecimal number: 25

Expected Output

Equivalent decimal number is: 37

29. Write a Java program to convert a hexadecimal to a binary number. Go to the editor

Input Data:

Enter Hexadecimal Number : 37

Expected Output

Equivalent Binary Number is: 110111

30. Write a Java program to convert a hexadecimal to a octal number. Go to the editor

Input Data:

Input a hexadecimal number: 40

Expected Output

Equivalent of octal number is: 100

31. Write a Java program to check whether Java is installed on your computer. Go to the editor

Expected Output

Java Version: 1.8.0\_71

Java Runtime Version: 1.8.0\_71-b15

Java Home: /opt/jdk/jdk1.8.0\_71/jre

Java Vendor: Oracle Corporation

Java Vendor URL: http://Java.oracle.com/

Java Class Path: .

32. Write a Java program to compare two numbers. Go to the editor

Input Data:

Input first integer: 25

Input second integer: 39

Expected Output

25 != 39

25 < 39

25 <= 39

33. Write a Java program and compute the sum of the digits of an integer. Go to the editor

Input Data:

Input an integer: 25

Expected Output

The sum of the digits is: 7

34. Write a Java program to compute the area of a hexagon. Go to the editor

Area of a hexagon = (6 \* s^2)/(4\*tan(π/6))

where s is the length of a side

Input Data:

Input the length of a side of the hexagon: 6

Expected Output

The area of the hexagon is: 93.53074360871938

35. Write a Java program to compute the area of a polygon. Go to the editor

Area of a polygon = (n\*s^2)/(4\*tan(π/n))

where n is n-sided polygon and s is the length of a side

Input Data:

Input the number of sides on the polygon: 7

Input the length of one of the sides: 6

Expected Output

The area is: 130.82084798405722

36. Write a Java program to compute the distance between two points on the surface of earth. Go to the editor

Distance between the two points [ (x1,y1) & (x2,y2)]

d = radius \* arccos(sin(x1) \* sin(x2) + cos(x1) \* cos(x2) \* cos(y1 - y2))

Radius of the earth r = 6371.01 Kilometers

Input Data:

Input the latitude of coordinate 1: 25

Input the longitude of coordinate 1: 35

Input the latitude of coordinate 2: 35.5

Input the longitude of coordinate 2: 25.5

Expected Output

The distance between those points is: 1480.0848451069087 km

37. Write a Java program to reverse a string. Go to the editor

Input Data:

Input a string: The quick brown fox

Expected Output

Reverse string: xof nworb kciuq ehT

38. Write a Java program to count the letters, spaces, numbers and other characters of an input string. Go to the editor

Expected Output

The string is : Aa kiu, I swd skieo 236587. GH kiu: sieo?? 25.33

letter: 23

space: 9

number: 10

other: 6

39. Write a Java program to create and display unique three-digit number using 1, 2, 3, 4. Also count how many three-digit numbers are there. Go to the editor

Expected Output

123

124

...

431

432

Total number of the three-digit-number is 24

40. Write a Java program to list the available character sets in charset objects. Go to the editor

Expected Output

List of available character sets:

Big5

Big5-HKSCS

CESU-8

EUC-JP

EUC-KR

GB18030

GB2312

GBK

...

x-SJIS\_0213

x-UTF-16LE-BOM

X-UTF-32BE-BOM

X-UTF-32LE-BOM

x-windows-50220

x-windows-50221

x-windows-874

x-windows-949

x-windows-950

x-windows-iso2022jp

41. Write a Java program to print the ascii value of a given character. Go to the editor

Expected Output

The ASCII value of Z is :90

42. Write a Java program to input and display your password. Go to the editor

Expected Output

Input your Password:

Your password was: abc@123

43. Write a Java program to print the following string in a specific format (see the output). Go to the editor

Sample Output

Twinkle, twinkle, little star,

How I wonder what you are!

Up above the world so high,

Like a diamond in the sky.

Twinkle, twinkle, little star,

How I wonder what you are

44. Write a Java program that accepts an integer (n) and computes the value of n+nn+nnn. Go to the editor

Sample Output:

Input number: 5

5 + 55 + 555

45. Write a Java program to find the size of a specified file. Go to the editor

Sample Output:

/home/students/abc.txt : 0 bytes

/home/students/test.txt : 0 bytes

46. Write a Java program to display the system time. Go to the editor

Sample Output:

Current Date time: Fri Jun 16 14:17:40 IST 2017

47. Write a Java program to display the current date time in specific format. Go to the editor

Sample Output:

Now: 2017/06/16 08:52:03.066

48. Write a Java program to print the odd numbers from 1 to 99. Prints one number per line. Go to the editor

Sample Output:

1

3

5

7

9

11

....

91

93

95

97

99

49. Write a Java program to accept a number and check the number is even or not. Prints 1 if the number is even or 0 if the number is odd. Go to the editor

Sample Output:

Input a number: 20

1

50. Write a Java program to print numbers between 1 to 100 which are divisible by 3, 5 and by both. Go to the editor

Sample Output:

Divided by 3:

3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54, 57

, 60, 63, 66, 69, 72, 75, 78, 81, 84, 87, 90, 93, 96, 99,

Divided by 5:

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90,

95,

Divided by 3 & 5:

15, 30, 45, 60, 75, 90,

51. Write a Java program to convert a string to an integer in Java. Go to the editor

Sample Output:

Input a number(string): 25

The integer value is: 25

52. Write a Java program to calculate the sum of two integers and return true if the sum is equal to a third integer. Go to the editor

Sample Output:

Input the first number : 5

Input the second number: 10

Input the third number : 15

The result is: true

53. Write a Java program that accepts three integers from the user and return true if the second number is greater than first number and third number is greater than second number. If "abc" is true second number does not need to be greater than first number. Go to the editor

Sample Output:

Input the first number : 5

Input the second number: 10

Input the third number : 15

The result is: true

54. Write a Java program that accepts three integers from the user and return true if two or more of them (integers ) have the same rightmost digit. The integers are non-negative. Go to the editor

Sample Output:

Input the first number : 5

Input the second number: 10

Input the third number : 15

The result is: true

55. Write a Java program to convert seconds to hour, minute and seconds. Go to the editor

Sample Output:

Input seconds: 86399

23:59:59

56. Write a Java program to find the number of integers within the range of two specified numbers and that are divisible by another number. Go to the editor

For example x = 5, y=20 and p =3, find the number of integers within the range x..y and that are divisible by p i.e. { i :x ≤ i ≤ y, i mod p = 0 }

Sample Output:

5

57. Write a Java program to accepts an integer and count the factors of the number. Go to the editor

Sample Output:

Input an integer: 25

3

58. Write a Java program to capitalize the first letter of each word in a sentence. Go to the editor

Sample Output:

Input a Sentence: the quick brown fox jumps over the lazy dog.

The Quick Brown Fox Jumps Over The Lazy Dog.

59. Write a Java program to convert a given string into lowercase. Go to the editor

Sample Output:

Input a String: THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG.

the quick brown fox jumps over the lazy dog.

60. Write a Java program to find the penultimate (next to last) word of a sentence. Go to the editor

Sample Output:

Input a String: The quick brown fox jumps over the lazy dog.

Penultimate word: lazy

61. Write a Java program to reverse a word. Go to the editor

Sample Output:

Input a word: dsaf

Reverse word: fasd

62. Write a Java program that accepts three integer values and return true if one of them is 20 or more and less than the substractions of others. Go to the editor

Sample Output:

Input the first number : 15

Input the second number: 20

Input the third number : 25

false

63. Write a Java program that accepts two integer values from the user and return the larger values. However if the two values are the same, return 0 and return the smaller value if the two values have the same remainder when divided by 6. Go to the editor

Sample Output:

Input the first number : 12

Input the second number: 13

Result: 13

64. Write a Java program that accepts two integer values between 25 to 75 and return true if there is a common digit in both numbers. Go to the editor

Sample Output:

Input the first number : 35

Input the second number: 45

Result: true

65. Write a Java program to calculate the modules of two numbers without using any inbuilt modulus operator. Go to the editor

Sample Output:

Input the first number : 19

Input the second number: 7

5

66. Write a Java program to compute the sum of the first 100 prime numbers. Go to the editor

Sample Output:

Sum of the first 100 prime numbers: 24133

67. Write a Java program to insert a word in the middle of the another string. Go to the editor

Insert "Tutorial" in the middle of "Python 3.0", so result will be Python Tutorial 3.0

Sample Output:

Python Tutorial 3.0

68. Write a Java program to create a new string of 4 copies of the last 3 characters of the original string. The length of the original string must be 3 and above. Go to the editor

Sample Output:

3.03.03.03.0

69. Write a Java program to extract the first half of a string of even length. Go to the editor

Test Data: Python

Sample Output:

Pyt

70. Write a Java program to create a string in the form short\_string + long\_string + short\_string from two strings. The strings must not have the same length. Go to the editor

Test Data: Str1 = Python

Str2 = Tutorial

Sample Output:

PythonTutorialPython

71. Write a Java program to create the concatenation of the two strings except removing the first character of each string. The length of the strings must be 1 and above. Go to the editor

Test Data: Str1 = Python

Str2 = Tutorial

Sample Output:

ythonutorial

72. Write a Java program to create a new string taking first three characters from a given string. If the length of the given string is less than 3 use "#" as substitute characters. Go to the editor

Test Data: Str1 = " "

Sample Output:

###

73. Write a Java program to create a new string taking first and last characters from two given strings. If the length of either string is 0 use "#" for missing character. Go to the editor

Test Data: str1 = "Python"

str2 = " "

Sample Output:

P#

74. Write a Java program to test if 10 appears as either the first or last element of an array of integers. The length of the array must be greater than or equal to 2. Go to the editor

Sample Output:

Test Data: array = 10, -20, 0, 30, 40, 60, 10

true

75. Write a Java program to test if the first and the last element of an array of integers are same. The length of the array must be greater than or equal to 2. Go to the editor

Test Data: array = 50, -20, 0, 30, 40, 60, 10

Sample Output:

false

76. Write a Java program to test if the first and the last element of two array of integers are same. The length of the array must be greater than or equal to 2. Go to the editor

Test Data: array1 = 50, -20, 0, 30, 40, 60, 12

array2 = 45, 20, 10, 20, 30, 50, 11

Sample Output:

false

77. Write a Java program to create a new array of length 2 from two arrays of integers with three elements and the new array will contain the first and last elements from the two arrays. Go to the editor

Test Data: array1 = 50, -20, 0

array2 = 5, -50, 10

Sample Output:

Array1: [50, -20, 0]

Array2: [5, -50, 10]

New Array: [50, 10]

78. Write a Java program to test that a given array of integers of length 2 contains a 4 or a 7. Go to the editor

Sample Output:

Original Array: [5, 7]

true

79. Write a Java program to rotate an array (length 3) of integers in left direction. Go to the editor

Sample Output:

Original Array: [20, 30, 40]

Rotated Array: [30, 40, 20]

80. Write a Java program to get the larger value between first and last element of an array (length 3) of integers . Go to the editor

Sample Output:

Original Array: [20, 30, 40]

Larger value between first and last element: 40

81. Write a Java program to swap the first and last elements of an array (length must be at least 1) and create a new array. Go to the editor

Sample Output:

Original Array: [20, 30, 40]

New array after swaping the first and last elements: [40, 30, 20]

82. Write a Java program to find the largest element between first, last, and middle values from an array of integers (even length). Go to the editor

Sample Output:

Original Array: [20, 30, 40, 50, 67]

Largest element between first, last, and middle values: 67

83. Write a Java program to multiply corresponding elements of two arrays of integers. Go to the editor

Sample Output:

Array1: [1, 3, -5, 4]

Array2: [1, 4, -5, -2]

Result: 1 12 25 -8

84. Write a Java program to take the last three characters from a given string and add the three characters at both the front and back of the string. String length must be greater than three and more. Go to the editor

Test data: "Python" will be "honPythonhon"

Sample Output:

honPythonhon

85. Write a Java program to check if a string starts with a specified word. Go to the editor

Sample Data: string1 = "Hello how are you?"

Sample Output:

true

86. Write a Java program start with an integer n, divide n by 2 if n is even or multiply by 3 and add 1 if n is odd, repeat the process until n = 1. Go to the editor

87. Write a Java program than read an integer and calculate the sum of its digits and write the number of each digit of the sum in English. Go to the editor

88.

three and five, print "fizz buzz". Go to the editor