

Java Project - 2



TASK-1



Description

- 1- How do you test calculator? (At least two scenario)
- 2- How do you test google search box? (At least two scenario)
- 3- A windowless room has 3 lightbulbs. You are outside the room with 3 switches, each controlling one of the lightbulbs. If you can only enter the room one time, how can you determine which switch controls which lightbulb?

TASK-3

Description

1. Create a class with main method.
2. Create a Scanner object inside main method
3. Ask the user to enter random word
4. Then ask the user to input number of letters that word consist
5. Your code should print True if user entered right number of letters in word, False if wrong number is entered.
6. Then code should ask to enter a letter that user wants to find index of.
7. Your code should print index of entered letter, if word doesn't consist the letter then code should print -1



TASK-3

Example



```
Run: test x
"C:\Program Files\Java\jdk1.8.0_151\bin\java.exe" ...
Please enter random word:
Techtorial
Please enter length of word:
10
Your entered true length.
Please enter a letter you want index of:
a
index of entered letter is: 8

Process finished with exit code 0
```

The screenshot shows a terminal window titled "test x" running on a Windows system. The command "C:\Program Files\Java\jdk1.8.0_151\bin\java.exe" ... is entered. The program prompts for a random word ("Techtorial"), its length ("10"), and a letter ("a"). It then outputs the index of the entered letter ("8"). Finally, it displays "Process finished with exit code 0".

TASK-4

Description

1. Create class with main method
2. Create two integer variables (a and b) give proper values for these integers so code will output:

27

33

202



TASK-4

Example

```
▶ public class test2 {  
▶     public static void main(String[] args) {  
        int a=;  
        int b=;  
  
        int total = a++ + ++a + --b + ++b + b++ + a +++b---b+a;  
        System.out.println(a);  
        System.out.println(b);  
        System.out.println(total);  
    }  
}
```



TASK-5

Description

Using Scanner ask user to enter one of the three string value.

- 1- Print first char of those three string together.
- 2- Print last char of each string together
- 3- Print true if each of the string length are equals to each other.

Example:

Input -1 : We

Input -2: Love

Input -3: Java

Output:

WLJ

eea

false (since each string length is not equals to each other)



TASK-6

Description

Using Scanner ask user to enter one string value with three word

- 1- Print first letter of each word
- 2- Print last letter of each word
- 3- Print length of each word (BONUS QUESTION)

Example:

Please enter value:

"Java String Test"

Output:

JST

agt

4

6

4

