# Lab Worksheet 5: Repetition Statements

CT/2021/015-Wijewardhana.N.P

# 01) Code:

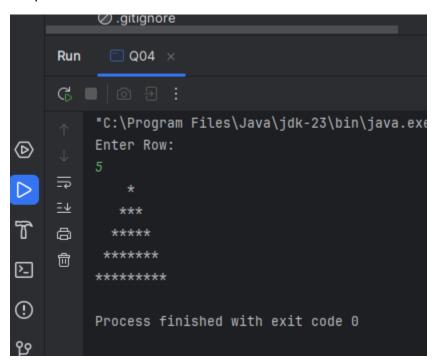
```
package Q2;
import java.util.Scanner;
public class Q02 {
    public static void main(String[] args) {
        Scanner scanner=new Scanner(System.in);
        int num;
        do{
            System.out.println("Enter a num:");
            num=scanner.nextInt();
            if(num>=0) {
                int digit=digitCount(num);
                      System.out.println("The no has"+digit+" digit");
        }
        }while (num>=0);
    }
    public static int digitCount(int num) {
        int count=0;
        while (num>0) {
            num=num/10;
                 count ++;
        }
        return count;
    }
}
```

```
"C:\Program Files\Java\jdk-23\bin\java.
    Enter N:
ᆕ
    Result Is:5*1=5
<u>=</u>↓
    Result Is:5*2=10
Result Is:5*3=15
    Result Is:5*4=20
⑪
    Result Is:5*5=25
    Result Is:5*6=30
    Result Is:5*7=35
    Result Is:5*8=40
    Result Is:5*9=45
    Result Is:5*10=50
     Process finished with exit code 0
```

```
package Q4;
import java.util.Scanner;
public class Q04 {
    public static void main(String[] args) {
        Scanner scanner=new Scanner(System.in);

        System.out.println("Enter Row:");
        int row=scanner.nextInt();
        int space=row-1;
        int asterisks=1;

        for(int i=0;i<row;i++) {
            for(int j=0;j<space;j++) {
                System.out.print(" ");
            }
            for(int k=0;k<asterisks;k++) {
                      System.out.print("*");
            }
                 System.out.println();
                      asterisks +=2;
                      space--;
            }
    }
}</pre>
```



```
public class Q05 {
   public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.println("Enter the word:");
        String word = scanner.nextLine();

        if (isPalindrome(word)) {
                System.out.println("The given word is a palindrome.");
        } else {
                System.out.println("The given word is not a palindrome.");
        }

        scanner.close();
   }

   public static boolean isPalindrome(String word) {
        String reverseWord = "";
        for (int i = word.length() - 1; i >= 0; i--) {
                reverseWord += word.charAt(i);
        }
        return word.equalsIgnoreCase(reverseWord);
   }
}
```

