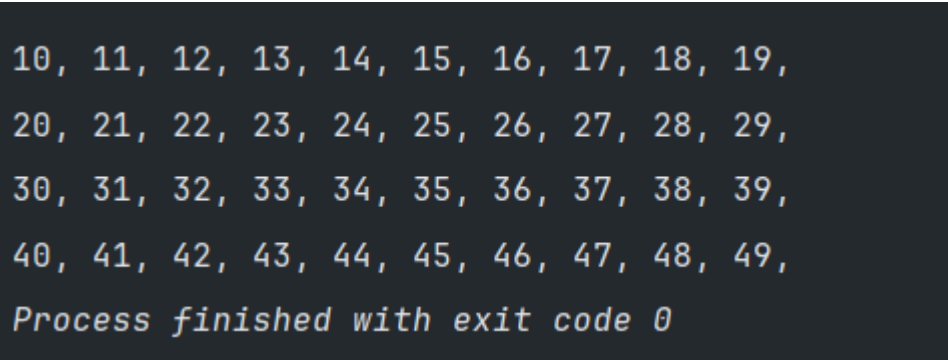


Q_01	<pre>package Q_01; public class Main{ public static void main(String[] args) { int starNum = 10; int endNum = 50; for(int i = starNum; i < endNum; i++){ if(i % 10 == 0){ System.out.println(); System.out.print(i + ", "); }else{ System.out.print(i+" ",); } } } }</pre> 
Q_02	<pre>package Q_02; import java.util.Scanner; public class Main { public static void main(String[] args) { Scanner scanner = new Scanner(System.in); int Num = 0; while(true){ System.out.print("Please enter number : "); Num = scanner.nextInt(); if(Num < 0){ System.out.println("Exiting...."); break; } int count = CountDigit.CountDigit(Num); System.out.println("The number of digits in " + Num + " is: " + count); } } }</pre>

```

    }
}

package Q_02;

public class CountDigit {
    public static int CountDigit(int num) {
        int count = 0;
        while (num != 0) {
            num /= 10;
            count++;
        }
        return count;
    }
}

```

```

Please enter number : 121323
The number of digits in 121323 is: 6
Please enter number : 123123212
The number of digits in 123123212 is: 9
Please enter number : 1212
The number of digits in 1212 is: 4
Please enter number :

```

Q_03

```

package Q_03;

import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        while (true) {
            System.out.print("Please enter a number(0 to exit): ");
            int N = scan.nextInt();
            if(N == 0) {
                System.out.println("Exiting...");
                break;
            }
            for (int i = 1; i <= 10; i++) {

```

```

        System.out.println(N + " * " + i + " = " + (N * i));
    }
}

}
}

```

Please enter a number(0 to exit): 5

5 * 1 = 5

5 * 2 = 10

5 * 3 = 15

5 * 4 = 20

5 * 5 = 25

5 * 6 = 30

5 * 7 = 35

5 * 8 = 40

5 * 9 = 45

5 * 10 = 50

Please enter a number(0 to exit):

Q_04

```

package Q_04;

import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.print("Enter the number of rows for the pyramid:");
        int rows = scan.nextInt();
        for(int i = 1; i <= rows; i++){
            System.out.print(" ".repeat(rows-i));
            for(int j = 1; j <= i; j++){
                System.out.print("* ");
            }
        }
    }
}

```

```

        System.out.println();
    }
}

```

```

//      *
//     **
//    ***
//   ****
//  *****
// ******

```

Enter the number of rows for the pyramid:10

```

      *
     * *
    * * *
   * * * *
  * * * * *
 * * * * * *
* * * * * * *
* * * * * * * *
* * * * * * * *
* * * * * * * *

```

Process finished with exit code 0

Q_05

```

package Q_05;

import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.print("Input Word or Phase : ");
        String word = scan.nextLine();
    }
}

```

```
int len = word.length();
for( int i = len-1; i >= 0 ; i--){
    System.out.print(word.charAt(i));
}
}
```

```
Input Word or Phase : Java Programming
gnimmargorP avaJ
Process finished with exit code 0
```

```
Q_06 package Q_06;

import java.util.Scanner;

public class NumberGuess {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        int random = (int) Math.round(Math.random()*100)+1;
        int count = 0;
        while(true){
            System.out.print("Guess the Number : ");
            int Guess = scan.nextInt();
            ++count;
            if(Guess > random){
                System.out.println("Too High... try Again");
            }else if(Guess < random){
                System.out.println("Too Low... try Again");
            } else {
                System.out.print("Your Guess is Correct you guess " + count + " times...!");
                break;
            }
        }
    }
}
```

```
C:\Program Files\Java\jdk-20\bin\java.exe -javaagent:C:\
Guess the Number : 50
Too High... try Again
Guess the Number : 34
Too High... try Again
Guess the Number : 23
Too High... try Again
Guess the Number : 12
Too Low... try Again
Guess the Number : 14
Your Guess is Correct you guess 5 times...!
Process finished with exit code 0
```

```
Q_07 package Q_07;

import java.util.Scanner;

public class ReplaceWord {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.print("Enter Sentence : ");
        String input = scan.nextLine();
        System.out.print("Word to be replaced : ");
        String replaceTo = scan.nextLine();
        System.out.print("Replacement word : ");
        String replace = scan.nextLine();
        String newWord = input.replace(replaceTo, replace);
        System.out.println("===Success===");
        System.out.println(newWord);
    }
}
```

```
Enter Sentence : My name is Supun
```

```
Word to be replaced : Supun
```

```
Replacement word : Kamal
```

```
===Success===
```

```
My name is Kamal
```

```
Process finished with exit code 0
```