Pattern Assignment

Ans 1.

```java
import java.util.Scanner;

class Main {
  public static void main(String[] args) {
    char d='A';
    for(int i=0;i<26;i++){
      for(int j=0;j<i+1;j++){
        System.out.print(d);



      }
      System.out.println();
      d++;
    }



  }



}
```

ANS 2:

```java
public class Main {
    public static void printTriangle(int n) {
        for (int i = 1; i <= n; i++) {
            // Print spaces
            for (int j = 1; j <= n - i; j++) {
                System.out.print(" ");
            }

            // Print stars
            for (int k = 1; k <= 2 * i - 1; k++) {
                System.out.print("*");
            }

            // Move to the next line after each row
```

```java
            System.out.println();
        }
    }

    public static void main(String[] args) {
        // Example: To print a triangle with 5 rows
        printTriangle(5);
    }
}
```

ANS 3;
```java
public class Main {
    public static void main(String[] args) {
        int n = 15;

        for (int i = 0; i < n; i++) {
            for (int j = 0; j < n - i; j++) {
                System.out.print("*");
            }
            for (int k = 0; k < 2 * i; k++) {
                System.out.print(" ");
            }
            for (int j = 0; j < n - i; j++) {
                System.out.print("*");
            }
            System.out.println();
        }
    }
}
```

Ans 4:
```java
public class Main {
    public static void main(String[] args) {
        String inputString = "PWSKILLS"; // Adjusted the string

        for (int i = 0; i < inputString.length(); i += 2) {
            for (int j = 0; j <= i; j += 2) {
                System.out.print(inputString.substring(0, j + 1));
            }
            System.out.println();
        }
    }
}
```

Ans 5:

```java
public class Main {
    public static void main(String[] args) {
        String inputString = "CHAITANYA GANDHI"; // Adjusted the string

        for (int i = 0; i < inputString.length(); i += 2) {
            for (int j = 0; j <= i; j += 2) {
                System.out.print(inputString.substring(0, j + 1));
            }
            System.out.println();
        }
    }
}
```