

Alphabets Pattern Printing in Java

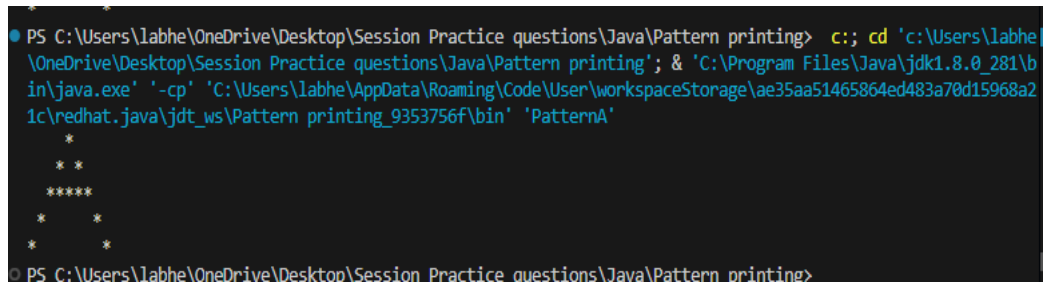
1) Code-A:

```
//Pattern A
public class PatternA {
    public static void main(String[] args) {
        for (int i = 1; i <= 5; i++) {

            for (int j = 1; j <= 9; j++) {

                if ((j == 6 - i) || (i == 3 && j >= 3 && j <= 7) || (j == 4 + i))
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing> c:; cd 'c:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing'; & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_ws\Pattern printing_9353756f\bin' 'PatternA'
  *
 * *
*****
 *   *
 *   *
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

2) Code-B:

```
//Pattern B

public class PatternB {

    public static void main(String[] args) {

        int n = 7;

        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (j == 0) {

                    System.out.print("*");

                }

                else if ((i == 0 || i == n - 1 || i == n / 2) && j < n - 1) {

                    System.out.print("*");

                } else if (j == n - 1 && (i != 0 && i < n / 2)) {

                    System.out.print("*");

                }

                else if (j == n - 1 && (i > n / 2 && i != n - 1)) {

                    System.out.print("*");

                } else {

                    System.out.print(" ");

                }

            }

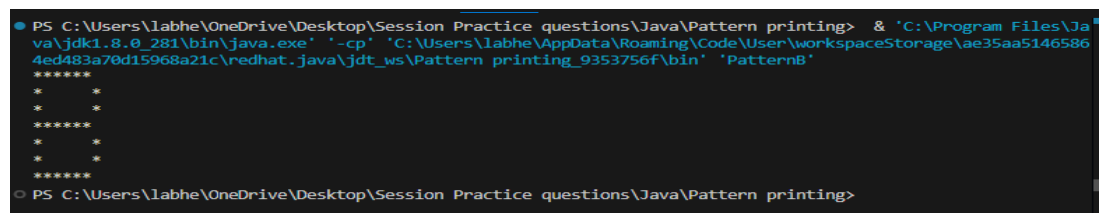
            System.out.println();

        }

    }

}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing> & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a78d15968a21c\redhat.java\jdt_ws\Pattern_printing_9353756f\bin' 'PatternB'
*****
*      *
*      *
*****
*      *
*      *
*****
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

3) Code-C:

```
// Pattern C

public class PatternC {

    public static void main(String[] args) {

        int n = 7;

        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (i == 0 && j > 0 ||

                    i == n - 1 && j > 0 ||

                    j == 0 && i > 0 && i < n - 1) {

                    System.out.print("*");

                }

                else {

                    System.out.print(" ");

                }

            }

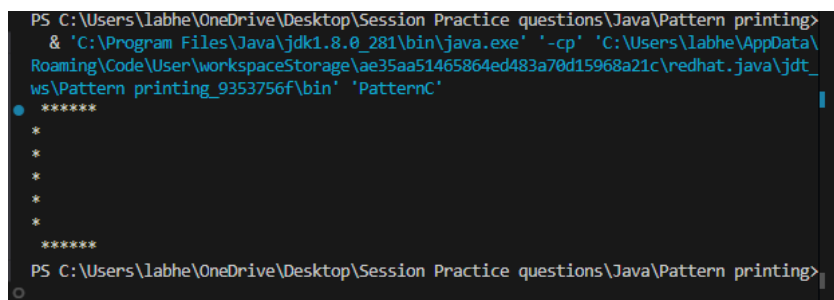
            System.out.println();

        }

    }

}
```

O/P:

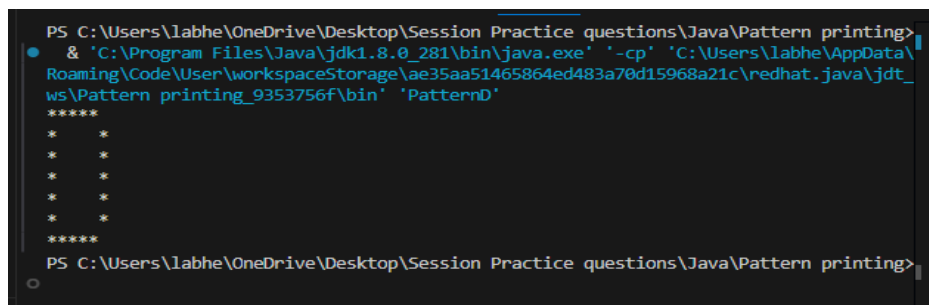


```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
& 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternC'
*****
*
*
*
*
*
*****
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

4) Code-D:

```
//Pattern D
public class PatternD {
    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {
            for (int j = 0; j < n - 1; j++) {
                if (j == 0 ||
                    (i == 0 || i == n - 1) && j < n - 2 ||
                    j == n - 2 && i != 0 && i != n - 1) {
                    System.out.print("*");
                } else {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:

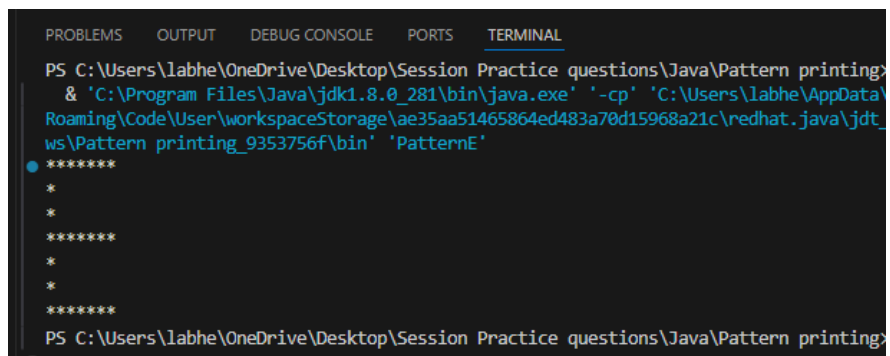


```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
• & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternD'
*****
*   *
* * *
* * *
* * *
* * *
*****
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

5) Code-E:

```
//pattern E
public class PatternE {
    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {
            for (int j = 0; j < n; j++) {
                if (j == 0 ||
                    i == 0 ||
                    i == n - 1 ||
                    i == n / 2) {
                    System.out.print("*");
                } else {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:



```
PROBLEMS OUTPUT DEBUG CONSOLE PORTS TERMINAL
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
    & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternE'
*****
*
*
*****
*
*
*****
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

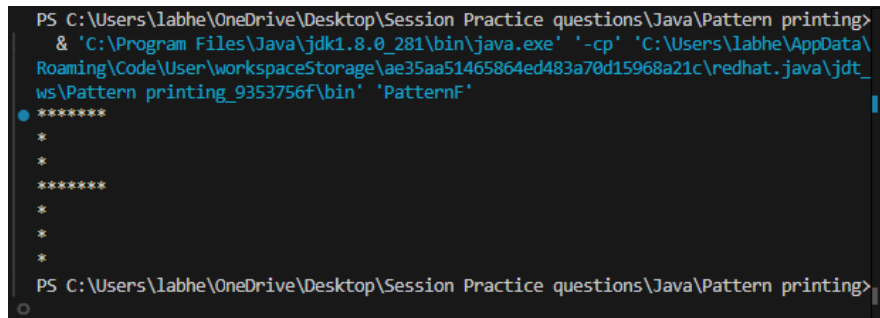
6) Code-F:

```
//pattern F
public class PatternF {

    public static void main(String[] args) {

        int n = 7;
        for (int i = 0; i < n; i++) {
            for (int j = 0; j < n; j++) {
                if (j == 0 || i == 0 || i == n / 2)
                    System.out.print("*");
                else
                    System.out.print(" ");
            }
            System.out.println();
        }
    }
}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
& 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternF'
*****
*
*
*****
*
*
*
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

7) Code-G:

```
//Pattern G
public class PatternG {
    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (i == 0 && j > 0 ||
                    i == n - 1 && j > 0 ||
                    j == 0 && i > 0 && i < n - 1 ||
                    i == n / 2 && j >= n / 2 ||
                    j == n - 1 && i >= n / 2)

                    System.out.print("*");

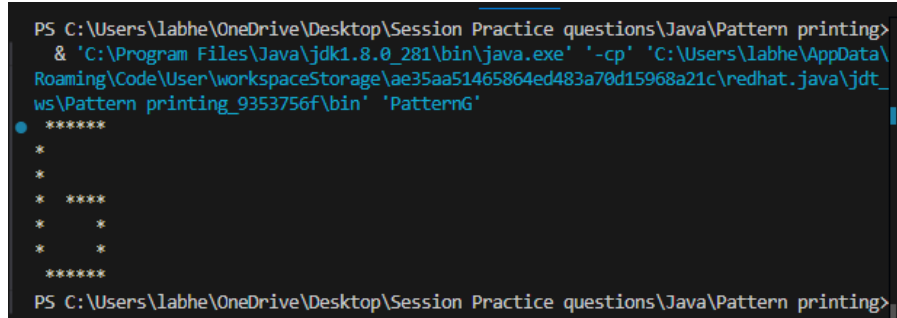
                else

                    System.out.print(" ");

            }

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

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
& 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternG'
*****
*
*
* ****
*   *
*   *
*****
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

8) Code-H:

```
//Pattern H
public class PatternH {
    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (j == 0 || j == n - 1 || i == n / 2)

                    System.out.print("*");

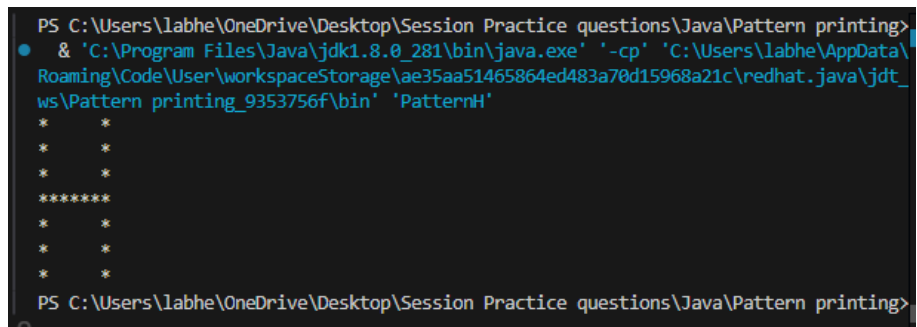
                else

                    System.out.print(" ");

            }

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

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
● & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternH'
*   *
*   *
*   *
*****
*   *
*   *
*   *
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```


9) Code-I:

```
//Pattern I

public class PatternI {

    public static void main(String[] args) {

        int n = 7;

        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (i == 0 || i == n - 1 || j == n / 2)

                    System.out.print("*");

                else

                    System.out.print(" ");

            }

            System.out.println();

        }

    }

}
```

O/P:

```
b2 C:/inet/arppe/ouedwile/detkrob/2622iou ԲԵՐԿԻՇԵ ԴՆԵՐԴՈՒՄՆ/յալ/ԲԲԲԵՄ ԵՒՄԲՄՅ>
*****
*
*
*
*
*
*
*****
m2/ԲԲԲԵՄ ԵՒՄԲՄՅ՝ձ3232ԺԵ/ԲՄ, ԲԲԲԵՄԻ,
ԿՕՄՄԻՄ/ԸՕԳԵ/ԴՆԵԼ/ՄՕԼԿԶԲԵԸԴՕԼԵԳԵ/ԳԵ32ԳԳ2ԴԵ28ԺԵԳԳ83ԳՆՕԴ2ԺԵ8ԳՄԸԸ/ԼԵԳՄԳԸ՝յալ/յԳԸ՝
● Գ C:/ԲՕԵԼԵՄ ԷԴԴԵ2/յալ/յԳԿԸ՝8՝Ծ8Ը/ԲՄ/յալ՝ԵԼԵ, ԸԸԸ, C:/ԴՆԵԼ2/ԴԳՄԵ/ԿԲԲԲԳԸԸ/
b2 C:/inet/arppe/ouedwile/detkrob/2622iou ԲԵՐԿԻՇԵ ԴՆԵՐԴՈՒՄՆ/յալ/ԲԲԲԵՄ ԵՒՄԲՄՅ>
```

10) Code-J:

```
//Pattern J

public class PatternJ {

    public static void main(String[] args) {

        int n = 7;

        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if ((i != n - 1 && j == n - 1) || (i == n - 1 && j > 0 && j < n - 1)
                    || (i >= n / 2 && i != n - 1 && j == 0)) {

                    System.out.print("*");

                } else {

                    System.out.print(" ");

                }

            }

            System.out.println();

        }

    }

}
```

O/P:

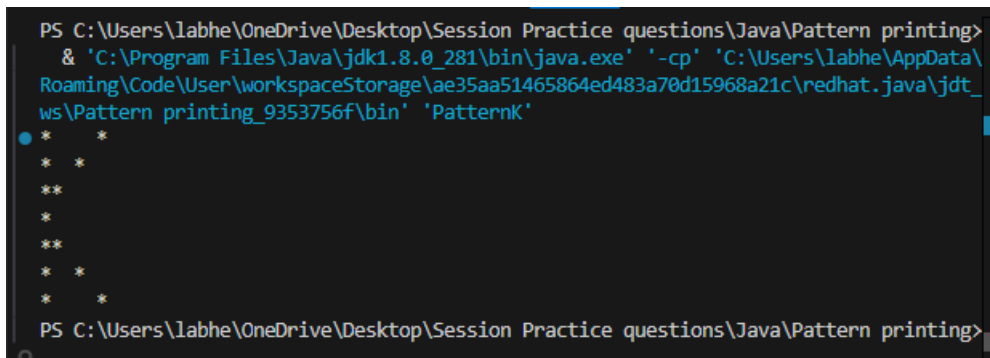
```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
& 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternJ'

    *
    *
    *
 *   *
 *   *
 *   *
*****
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

11) Code-K:

```
//Pattern K
public class PatternK {
    public static void main(String[] args) {
        int n = 7;
        for (int i = 0, j, k = n / 2; i < n; i++) {
            for (j = 0; j < n; j++) {
                if (j == 0 || j == k)
                    System.out.print("*");
                else
                    System.out.print(" ");
            }
            if (i < n / 2)
                k--;
            else
                k++;
            System.out.println();
        }
    }
}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
& 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternK'
 *  *
 *  *
 **
 *
 **
 *  *
 *  *
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

12) Code-L:

```
//Pattern L
public class PatternL {

    public static void main(String[] args) {

        int n = 7;
        for (int i = 0; i < n; i++) {

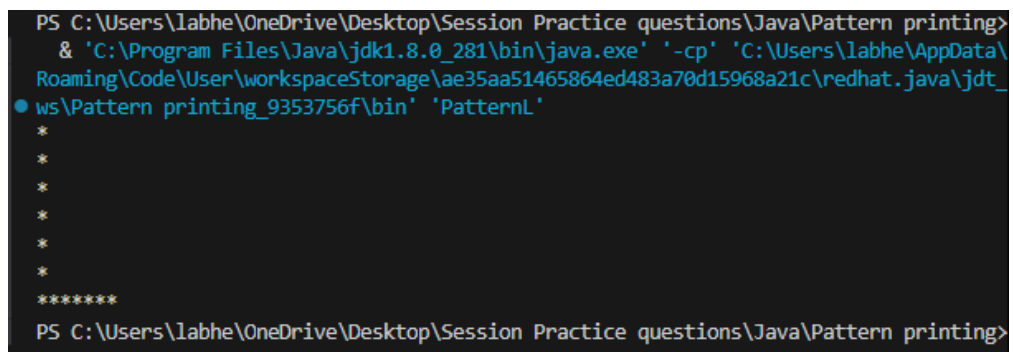
            for (int j = 0; j < n; j++) {

                if (j == 0 || i == n - 1) {

                    System.out.print("*");
                }
                else {

                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
& 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternL'
*
*
*
*
*
*
*****
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

13) Code-M:

```
//Pattern M
public class PatternM {

    public static void main(String[] args) {

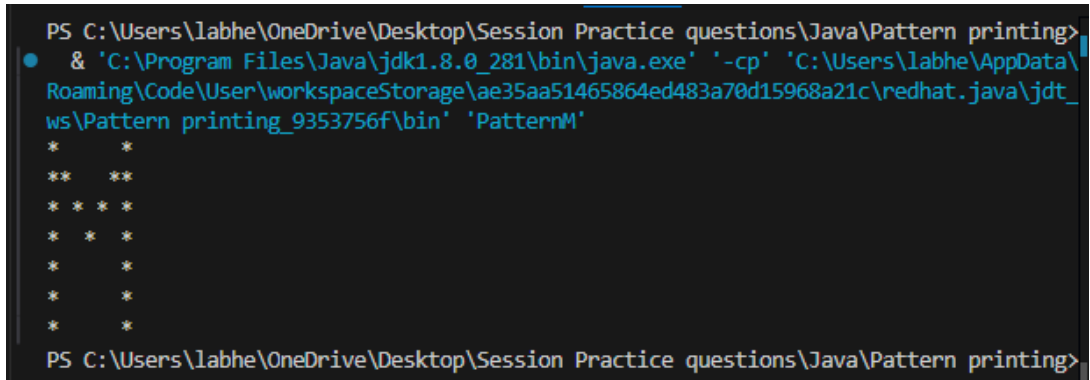
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (j == 0 || j == n - 1 || (i == j && i <= n / 2) || (i + j == n - 1 && i <= n / 2)) {

                    System.out.print("*");
                }
                else{
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
● & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' -cp 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternM'
*
**
***
**
*
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

14) Code-N:

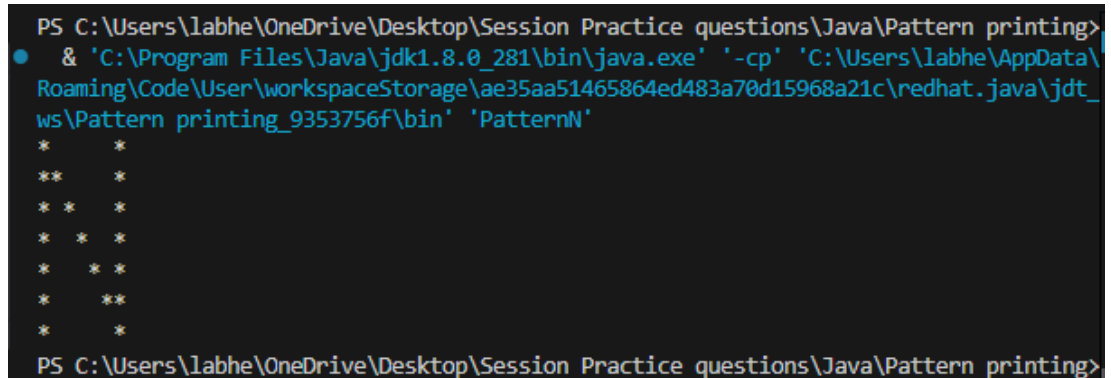
```
//Pattern N
public class PatternN {

    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (j == 0 || j == n - 1 || i == j)
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
● & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternN'
*      *
**     *
* *    *
* * *  *
*  * *
*   **
*    *
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

15) Code-O:

```
//Pattern O
public class PatternO {

    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if ((i == 0 || i == n - 1) && j > 0 && j < n - 1 ||
                    (j == 0 || j == n - 1) && i > 0 && i < n - 1)
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:

```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
● & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternO'
*****
*       *
*       *
*       *
*       *
*       *
*****
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

16) Code-P:

```
//Pattern P
public class PatternP {

    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (j == 0 || (i == 0 || i == n / 2) && j < n - 1 || j == n - 1 && i > 0 && i < n / 2)
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:

```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
& 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternP'
*****
*      *
*      *
*****
*
*
*
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```


17) Code-Q:

```
//Pattern Q
public class PatternQ {

    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if ((i == 0 || i == n - 2) && j > 0 && j < n - 1 ||
                    (j == 0 || j == n - 1) && i > 0 && i < n - 2 ||
                    (i == j && i >= n / 2))
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:

```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
● & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternQ'
*****
*       *
*       *
*   *   *
*   *   *
*****
*
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

18) Code-R:

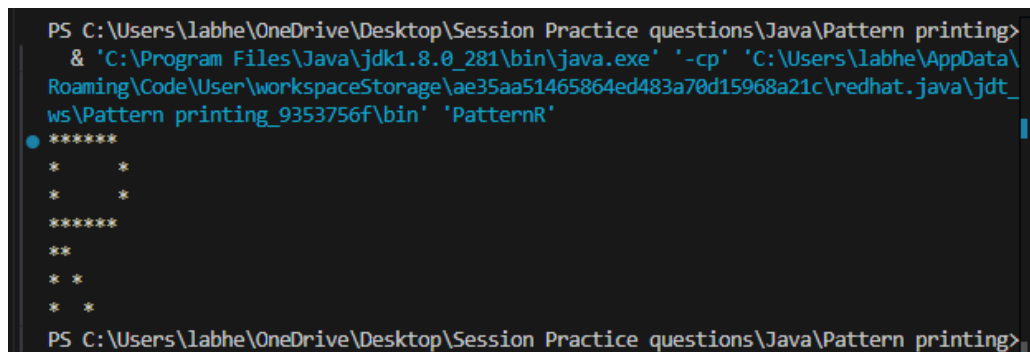
```
//Pattern R
public class PatternR {

    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (j == 0 || (i == 0 || i == n / 2) && j < n - 1 ||
                    j == n - 1 && i > 0 && i < n / 2 || i - j == n / 2)
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
& 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternR'
*****
*       *
*       *
*****
**
*  *
*  *
*  *
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

19) Code-S:

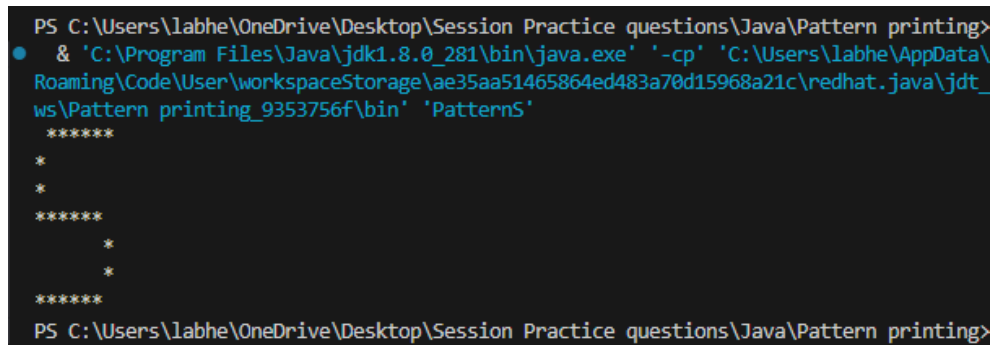
```
//Pattern S
public class PatternS {

    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (i == 0 && j > 0 ||
                    i == n / 2 && j < n - 1 ||
                    i == n - 1 && j < n - 1 ||
                    j == 0 && i > 0 && i < n / 2 ||
                    j == n - 1 && i > n / 2 && i < n - 1)
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
● & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternS'
*****
*
*
*****
  *
  *
*****
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

20) Code-T:

```
//Pattern T
public class PatternT {

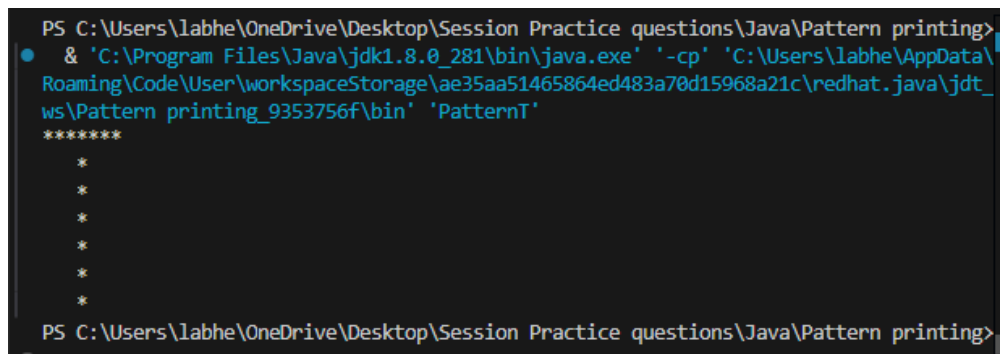
    public static void main(String[] args) {

        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (i == 0 || j == n / 2)
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
● & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternT'
*****
*
*
*
*
*
*
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

21) Code-U:

```
//Pattern U

public class PatternU {

    public static void main(String[] args) {

        int n = 7;

        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if ((j == 0 || j == n - 1) && i != n - 1 ||

                    i == n - 1 && j > 0 && j < n - 1)

                {

                    System.out.print("*");

                }

                else

                {

                    System.out.print(" ");

                }

            }

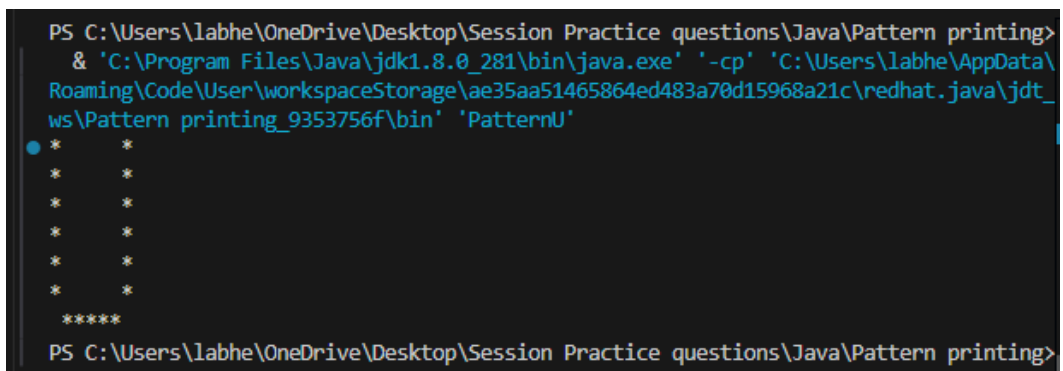
            System.out.println();

        }

    }

}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
& 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternU'

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

PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

22) Code-V:

```
//Pattern V
public class patternV {


    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n * 2 - 1; j++) {

                if (j == i || j == 2 * n - 2 - i)
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:

```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
● & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_ws\Pattern printing_9353756f\bin' 'patternV'
```



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

23) Code-W:

```
//Pattern W

public class patternW {

    public static void main(String[] args) {

        int n = 7;

        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (j == 0 || j == n - 1 || (i >= n / 2 && (j == i || j == n - i - 1))) {

                    System.out.print("*");

                } else {

                    System.out.print(" ");

                }

            }

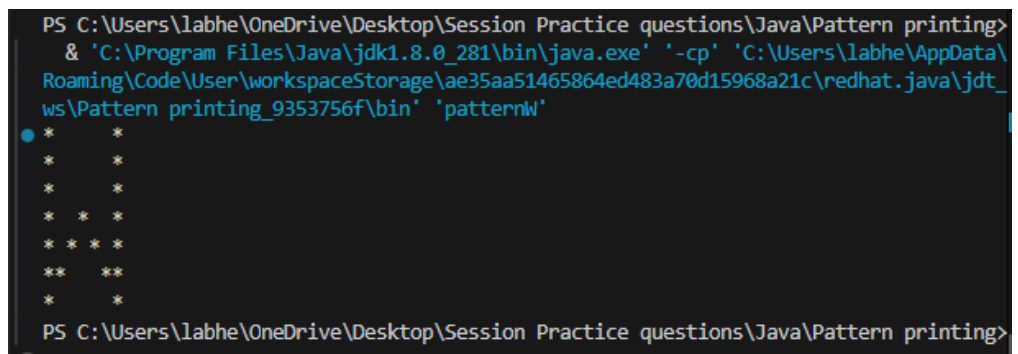
            System.out.println();

        }

    }

}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
& 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'patternW'

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

PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

24) Code-X:

```
//Pattern X
public class PatternX {

    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (i == j || i + j == n - 1)
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:

```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
● & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_ws\Pattern printing_9353756f\bin' 'PatternX'
```

```
*      *
 *     *
  *   *
 * * 
*  * 
 * * 
*   *
 *  *
```

```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```


25) Code-Y:

```
//Pattern Y

public class PatternY {

    public static void main(String[] args) {

        int n = 7;

        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (i == j && i < n / 2 ||

                    i + j == n - 1 && i < n / 2 ||

                    j == n / 2 && i >= n / 2)

                {

                    System.out.print("*");

                }

                else

                {

                    System.out.print(" ");

                }

            }

            System.out.println();

        }

    }

}
```

O/P:

```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
& 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternY'
 *
*  *
 *  *
  *
 *
 *
 *
 *

PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```

26) Code-Z:

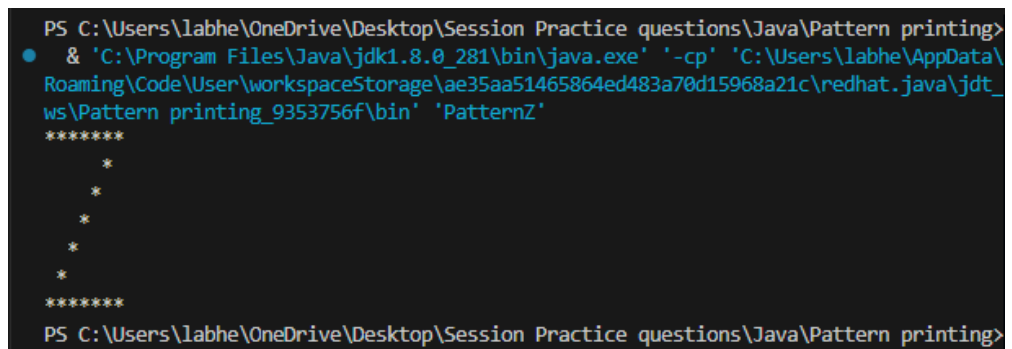
```
//pattern Z
public class PatternZ {

    public static void main(String[] args) {
        int n = 7;
        for (int i = 0; i < n; i++) {

            for (int j = 0; j < n; j++) {

                if (i == 0 || i == n - 1 || i + j == n - 1)
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

O/P:



```
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
● & 'C:\Program Files\Java\jdk1.8.0_281\bin\java.exe' '-cp' 'C:\Users\labhe\AppData\
Roaming\Code\User\workspaceStorage\ae35aa51465864ed483a70d15968a21c\redhat.java\jdt_
ws\Pattern printing_9353756f\bin' 'PatternZ'
*****
      *
     *
    *
   *
  *
 *
*****
PS C:\Users\labhe\OneDrive\Desktop\Session Practice questions\Java\Pattern printing>
```