

Pattern Questions

1. *****


```
package Pattern;

import java.util.Scanner;

public class Pattern1 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=n) {
                System.out.print('*');
                j++;
            }
            System.out.println();
            i++;
        }
    }
}
```

2. 1111
2222
3333
4444

```
package Pattern;

import java.util.Scanner;

public class Pattern2 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
```

```

        int j = 1 ;
        while (j<=n) {
            System.out.print(i);
            j++;
        }
        System.out.println();
        i++;
    }
}

```

3. 1234
1234
1234
1234

```

package Pattern;

import java.util.Scanner;

public class Pattern3 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=n) {
                System.out.print(j);
                j++;
            }
            System.out.println();
            i++;
        }
    }
}

```

4. 4321
4321
4321
4321

```

package Pattern;

import java.util.Scanner;

```

```

public class Pattern4 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=n) {
                System.out.print(n-j+1);
                j++;
            }
            System.out.println();
            i++;
        }
    }
}

```

5. 4444
 4444
 4444
 4444

```

package Pattern;

import java.util.Scanner;

public class Pattern5 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=n) {
                System.out.print(n);
                j++;
            }
            System.out.println();
            i++;
        }
    }
}

```

6. 1
12
123
1234

```
package Pattern;

import java.util.Scanner;

public class Pattern6 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Triangular for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=i) {
                System.out.print(j);
                j++;
            }
            System.out.println();
            i++;
        }
    }
}
```

7. *
**


```
package Pattern;

import java.util.Scanner;

public class Pattern7 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Triangle for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=i) {
```

```

        System.out.print('*');
        j++;
    }
    System.out.println();
    i++;
}
}

```

8. 1
22
333
4444

```

package Pattern;

import java.util.Scanner;

public class Pattern8 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=i) {
                System.out.print(i);
                j++;
            }
            System.out.println();
            i++;
        }
    }
}

```

9. 1
21
321
4321

```

package Pattern;

import java.util.Scanner;

public class Pattern9 {

```

```

public static void main(String[] args) {
    Scanner s = new Scanner(System.in);
    System.out.print("Enter a number Square for pattern : ");
    int n = s.nextInt();

    int i = 1;
    while (i<=n) {
        int j = 1 ;
        while (j<=i) {
            System.out.print(i-j+1);
            j++;
        }
        System.out.println();
        i++;
    }
}

```

```

10.1
23
456
78910

```

```

package Pattern;

import java.util.Scanner;

public class Pattern10 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();
        int p = 1;
        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=i) {
                System.out.print(p);
                j++;
                p++;
            }
            System.out.println();
            i++;
        }
    }
}

```

11.1
23
345
4567

```
package Pattern;

import java.util.Scanner;

public class Pattern11 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=i) {
                System.out.print(i+j-1);
                j++;
            }
            System.out.println();
            i++;
        }
    }
}
```

12. ABCD
ABCD
ABCD
ABCD

```
package Pattern;

import java.util.Scanner;

public class Pattern12 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=n) {
                System.out.print((char)('A'+j-1));
            }
        }
    }
}
```

```

        j++;
    }
    System.out.println();
    i++;
}
}
}

```

13. A
BB
CCC
DDDD

```

package Pattern;

import java.util.Scanner;

public class Pattern13 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=i) {
                System.out.print((char)('A'+i-1));
                j++;
            }
            System.out.println();
            i++;
        }
    }
}

```

14. ABCD
BCDE
CDEF
DEFG

```

package Pattern;

import java.util.Scanner;

public class Pattern14 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);

```



```

        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            char p = (char)('A'+i-1);
            while (j<=n) {
                System.out.print((char)(p+j-1));
                j++;
            }
            System.out.println();
            i++;
        }
    }
}

```

15.A

BC

CDE

DEFG

```

package Pattern;

import java.util.Scanner;

public class Pattern15 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            char p = (char)('A'+i-1);
            while (j<=i) {
                System.out.print((char)(p+j-1));
                j++;
            }
            System.out.println();
            i++;
        }
    }
}

```

16.D

CD
BCD
ABCD

```
package Pattern;

import java.util.Scanner;

public class Pattern16 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            char p = (char)('A'+ n - i);
            while (j<=i) {
                System.out.print((char)(p+j-1));
                j++;
            }
            System.out.println();
            i++;
        }
    }
}
```

17.****

**
*

```
package Pattern;

import java.util.Scanner;

public class Pattern17 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1 ;
            while (j<=n-i+1) {
```

```

        System.out.print('*');
        j++;
    }
    System.out.println();
    i++;
}
}
}

18.  *
    **
   ***
  ****

package Pattern;

import java.util.Scanner;

public class Pattern18 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int space = 1;
            while(space<=n-i)
            {
                System.out.print(" ");
                space++;
            }
            int star = 1;
            while (star<=i) {
                System.out.print('*');
                star++;
            }
            System.out.println();
            i++;
        }
    }
}

```

19. 1
 12
 123
 1234

```
package Pattern;

import java.util.Scanner;

public class Pattern19 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int space = 1;
            while(space<=n-i)
            {
                System.out.print(" ");
                space++;
            }
            int star = 1;
            while (star<=i) {
                System.out.print(star);
                star++;
            }
            System.out.println();
            i++;
        }
    }
}
```

20. ****

 **
 *

```
package Pattern;

import java.util.Scanner;

public class Pattern20 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();
```

```

        int i = 1;
        while (i<=n) {
            int j = 1;
            while (j<=n-i+1) {
                System.out.print('*');
                j++;
            }
            System.out.println();
            i++;
        }
    }
}

```

21. 4444

333

22

1

```
package Pattern;
```

```
import java.util.Scanner;
```

```

public class Pattern21 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int j = 1;
            while (j<=n-i+1) {
                System.out.print(n-i+1);
                j++;
            }
            System.out.println();
            i++;
        }
    }
}

```

22. 1

121

12321

1234321

```
package Pattern;
```

```

import java.util.Scanner;

public class Pattern22 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int space = 1;
            while(space<=n-i)
            {
                System.out.print(" ");
                space++;
            }
            int star = 1;
            while (star<=i) {
                System.out.print(star);
                star++;
            }
            int dec = i-1;
            while (dec>=1) {
                System.out.print(dec);
                dec--;
            }
            System.out.println();
            i++;
        }
    }
}

```

23. *


```

package Pattern;

import java.util.Scanner;

public class Pattern23 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {

```

```

        int space = 1;
        while(space<=n-i)
        {
            System.out.print(" ");
            space++;
        }
        int star = 1;
        while (star<=i) {
            System.out.print('*');
            star++;
        }
        int dec = i-1;
        while (dec>=1) {
            System.out.print('*');
            dec--;
        }
        System.out.println();
        i++;
    }
}

```

24. 1
 232
 34543
 4567654

```

package Pattern;

import java.util.Scanner;

public class Pattern24 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int space = 1;
            while(space<=n-i)
            {
                System.out.print(" ");
                space++;
            }
            int star = 1;
            int p = i;
            while (star<=i) {

```

```

        System.out.print(p);
        star++;
        p++;
    }
    int dec = i-1;
    int q = p-2;
    while (dec>=1) {
        System.out.print(q);
        dec--;
        q--;
    }
    System.out.println();
    i++;
}
}
}

```

25. *

 *

```

package Pattern;

import java.util.Scanner;

public class Pattern25 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        int p = n/2 +1;
        while (i<=p) {

            int space = 1 ;
            while (space<=p-i) {
                System.out.print(' ');
                space++;
            }
            int star = 1 ;
            while (star<=(2*i-1)) {
                System.out.print('*');
                star++;
            }
            System.out.println();

```



```

        i++;
    }
    int q = n-p;
    int j=1;
    while (j<=q) {
        int space = 1;
        while (space<=j) {
            System.out.print(' ');
            space++;
        }
        int star = 1;
        while (star<=(2*(p-j)-1)) {
            System.out.print('*');
            star++;
        }
        System.out.println();
        j++;
    }
}

```

26.*
 1
 121
 12321
 121
 1
 *

```
package Pattern;
```

```
import java.util.Scanner;
```

```

public class Pattern26 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();
        System.out.println('*');
        int i = 1;
        while (i<=n) {
            System.out.print('*');
            int j = 1;
            while (j<=i) {
                System.out.print(j);
                j++;
            }
            int k = i-1;

```

```

        while (k>=1) {
            System.out.print(k);
            k--;
        }
        System.out.print('*');
        System.out.println();
        i++;
    }
    int j = 1;
    while (j<=n-1) {
        System.out.print('*');
        int m = 1;
        while (m<=n-1-j+1) {
            System.out.print(m);
            m++;
        }
        int k = m-2;
        while (k>=1) {
            System.out.print(k);
            k--;
        }
        System.out.print('*');
        System.out.println();
        j++;
    }
    System.out.println('*');
}
}

```

27. 1=1

1+2=3

1+2+3=6

1+2+3+4=10

1+2+3+4+5=15

1+2+3+4+5+6=21

```
package Pattern;
```

```
import java.util.Scanner;
```

```

public class Pattern27 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {

```

```

        int sum=0;
        int j =1;
        while (j<=i) {
            System.out.print(j);
            sum +=j;
            j++;
            if (j<=i) {
                System.out.print('+');
            }
        }

        System.out.print('=');
        System.out.print(sum);
        System.out.println();
        i++;
    }
}
}
28. ****
    ****
        ****
            ****

```

```
package Pattern;
```

```
import java.util.Scanner;
```

```

public class Pattern28 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();

        int i = 1;
        while (i<=n) {
            int space = 1;
            while(space<=i-1)
            {
                System.out.print(" ");
                space++;
            }
            int star = 1;
            while (star<=n) {
                System.out.print('*');
                star++;
            }
            System.out.println();
            i++;
        }
    }
}

```

```

    }
}

29.1357
3571
5713
7135

package Pattern;

import java.util.Scanner;

public class Pattern29 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter a number Square for pattern : ");
        int n = s.nextInt();
        int num;
        int i = 1;
        while (i<=n) {
            int j=1;
            num=2*i-1;
            while (j<=n-i+1) {
                System.out.print(num);
                num +=2;
                j++;
            }

            num =1;
            j =1;
            while (j<=i-1) {
                System.out.print(num);
                num+=2;
                j++;
            }

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

```