```
1
 2 import java.util.*;
 3
 4 class Multiplication{
 5
 6 static int number;
 7
 8
 9⊝
       public void multiply() {
10
            for(int i=1; i<=10;i++) {</pre>
11
                System.out.println(number + " x " + i + " = "+ (number*i));
12
13
14
            }
15
       }
16⊖
       public static void main(String arg[]) {
17
            Scanner c = new Scanner(System.in);
            System.out.println("Enter the Number to find its Multiplication Table: ");
18
19
            number=c.nextInt();
20
           Multiplication obj = new Multiplication();
21
            obj.multiply();
22
       }
23 }
```

<terminated> Multiplication [Java Application] C\Users\shriv\,p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_23.0.2.v20250131-0604\jre\bin\javaw.exe (1 Feb 2025, 8:21:46 pm - 8:21:53 pm elapsed: 0:00:07.10!
Enter the Number to find its Multiplication Table:

```
5 x 1 = 5

5 x 2 = 10

5 x 3 = 15

5 x 4 = 20

5 x 5 = 25

5 x 6 = 30

5 x 7 = 35

5 x 8 = 40

5 x 9 = 45

5 x 10 = 50
```

cterminated> Series [Java Application] C\Users\shriv\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_23.02.v20250131-0604\jre\bin\javaw.exe (2 Feb 2025, 4:54:17 pm - 4:54:55 pm elapsed: 0.00:38.635) [pid: 7648]
Enter the integer input vlaues:

```
1 import java.util.*;
3 class Premitive{
4
       static long number;
6
7⊝
       public static void main(String args[]) {
8
            Scanner c = new Scanner(System.in);
System.out.println("Enter the value: ");
9
10
11
            number = c.nextInt();
12
L3
        try {
                if(number >= Byte.MIN_VALUE && number <= Byte.MAX_VALUE) {</pre>
<u>4</u>
L5
                     System.out.println("Byte");
16
17
                if(number >= Short.MIN_VALUE && number <= Short.MAX_VALUE) {</pre>
18
                     System.out.println("Short");
<u>19</u>
                if(number >= Integer.MIN_VALUE && number <= Integer.MAX_VALUE) {</pre>
20
21
                     System.out.println("Int");
22
23
                if(number >= Long.MIN_VALUE && number <= Long.MAX_VALUE) {</pre>
24
25
                     System.out.println("Long");
27
28
            catch(Exception e){
19
                System.out.println(number+ " can't be fitted anywhere.");
30
31
            }
32
       }
33 }
```

<terminated> Premitive [Java Application] C\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32x86_64_23.0.2.v20250131-0604\jre\bin\javaw.exe (2 Feb 2025, 5:42:41 pm - 5:42:46 pm elapsed: 0:00:04.118) [pid: 20988]
Enter the value:

5 Byte Short Int Long

```
1⊖ import java.util.*;
 2 import java.util.regex.*;
 4
        class Validcheck {
        public static void main(String[] args) {
 6
           Scanner scanner = new Scanner(System.in);
 7
            int N = scanner.nextInt();
 8
9
           scanner.nextLine();
10
           // Consume the newline character
11
12
            for (int i = 0; i < N; i++) {
13
                String pattern = scanner.nextLine();
14
                try {
15
                    Pattern.compile(pattern);
16
                    System.out.println("Valid");
17
                } catch (PatternSyntaxException e) {
18
                    System.out.println("Invalid");
19
20
           }
21
        }
22 }
```

<terminated> Validcheck [Java Application] C\Users\shriv\,p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_23.0.2.v20250131-0604\jre\bin\javaw.exe (2 Feb 2025, 5:58:57 pm - 6:00:24 pm elapsed: 0:01:26.273) [pid: 17772]

3
([A-Z])
Valid
[AZa-z
Invalid
batcatpat(nat
Invalid

```
Enter the number of colum to print the pattern:

5

******

* *

* *

* *

******

...Program finished with exit code 0

Press ENTER to exit console.
```

```
import java.util.*;

definition of the proof of the
```

```
Enter the number of colum to print the pattern:

*

***

****

****

*****

*****

...Program finished with exit code 0

Press ENTER to exit console.
```

```
3 import java.util.*;
     5 class Main{
              static int number;
              public static void main(String args[]){
                    System.out.println("Enter the number of colum to print the pattern: ");
Scanner c = new Scanner(System.in);
                    number=c.nextInt();
                    for (int i = 1; i <= number; i++) {
   for (int j = 1; j < i; j++) {
      System.out.print(" ");
}</pre>
                          for (int j = i; j <= number; j++) {
    System.out.print("* ");</pre>
                               System.out.println();
     ∠ ₽ $ 9
Enter the number of colum to print the pattern:
       /*** Pattern program */
    import java.util.*;
    5 class PerfectPyramid{
6 static int number;
             public static void main(String args[]){
                  System.out.println("Enter the number of colum to print the pattern: ");
Scanner c = new Scanner(System.in);
                  number=c.nextInt();
                  for(int i = 0; i < number; i++){</pre>
                        for (int j = number - i; j > 1; j--) {
   System.out.print(" ");
                        for (int j = 0; j <= i; j++) {
    System.out.print("* ");</pre>
                             System.out.println();
▼ ,' □ ☆ .
Enter the number of colum to print the pattern:
                                                                                                             input
```

```
import java.util.*;
      class SandClock{
    static int n;
             public static void main(String args[]){
                  System.out.println("Enter the number of colum to print the pattern: ");
Scanner c = new Scanner(System.in);
n=c.nextInt();
                         for (int j = 1; j < i; j++) {
    System.out.print(" ");</pre>
                        for (int j = i; j <= n; j++) {
    if(j==i||j==n||i==1)
        System.out.print("* ");</pre>
                              System.out.pr
else
System.out.print("* ");
                  System.out.println();
}
                 for (int i = n - 1; i >= 1; i--) {
                       for (int j = 1; j < i; j++) {
    System.out.print(" ");</pre>
                       for (int j = i; j <= n; j++) {
    if(j=:i||j=:n||i=:1)
        System.out.print("* ");
    else
        System.out.print("* ");</pre>
                      System.out.println();
  16
17
18
19
                         for (int j = 1; j < i; j++) {
    System.out.print(" ");</pre>
...Program finished with exit code 0
Press ENTER to exit console.
                           for (int j = 1; j < i; j++) {
    System.out.print(" ");</pre>
...Program finished with exit code 0
Press ENTER to exit console.
```

```
Input

Enter the number of colum to print the pattern:

5
00000
1111
0
...Frogram finished with exit code 0
Press ENTER to exit console.
```

```
import java.util.*;

c-class Pattern()

public static int n;

public static void main(String args[]){

    System.out.println("Enter the number of colum to print the pattern: ");

    Scanner c = new Scanner(system.in);

    n-c.nextInt();

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

    for (int k = i; k < n; k++) {
        System.out.println();
    }

}

System.out.println();
}

}

**Pattern program */

**Class Pattern()

**System.out.println()

**Pattern program */

**Pattern program program */

**Pattern program pro
```

```
Input

Enter the number of colum to print the pattern:

5

1 ** * * *
2 2 * * * *
3 3 3 * *
4 4 4 4 *
5 5 5 5 5

...Program finished with exit code 0

Press ENTER to exit console.
```

```
input

Enter the number of colum to print the pattern:

5
5 5 5 5 5
4 4 4 4 4*
3 3 3 3 **
2 2 * * *
1 * * * *

...Program finished with exit code 0

Press ENTER to exit console.
```