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BankAccount.java [Share] [Run] [Clear]

```
1 class BankAccount {  
2     double balance;  
3  
4     void deposit(double amount) {  
5         balance += amount;  
6         System.out.println("Deposited: ₹" + amount);  
7     }  
8  
9     void withdraw(double amount) {  
10        if (amount <= balance) {  
11            balance -= amount;  
12            System.out.println("Withdrawn: ₹" + amount);  
13        } else {  
14            System.out.println("Insufficient balance!");  
15        }  
16    }  
17  
18    void displayBalance() {  
19        System.out.println("Current Balance: ₹" + balance);  
20    }  
21  
22    public static void main(String[] args) {  
23        BankAccount myAcc = new BankAccount();  
24  
25        myAcc.deposit(1000);  
26        myAcc.withdraw(400);  
27        myAcc.displayBalance();  
28    }  
29 }
```

Output

```
Deposited: 1000.0  
Withdrawn: 400.0  
Current Balance: 600.0  
=== Code Execution Successful ===
```

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Factorial.java

Share

Run

Output

Clear

```
1 class Factorial {  
2     int factorial(int n) {  
3         if (n == 0 || n == 1)  
4             return 1;  
5         else  
6             return n * factorial(n - 1); // Recursive call  
7     }  
8  
9     public static void main(String[] args) {  
10         Factorial f = new Factorial();  
11         int num = 5;  
12         System.out.println("Factorial of " + num + " is: " + f.factorial(num));  
13     }  
14 }
```

Factorial of 5 is: 120
=== Code Execution Successful ===

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Calculator.java

Run

Share

```
1 class Calculator {
2     // Method 1
3     int add(int a, int b) {
4         return a + b;
5     }
6
7     // Method 2
8     double add(double a, double b) {
9         return a + b;
10    }
11
12    // Method 3
13    int add(int a, int b, int c) {
14        return a + b + c;
15    }
16
17    public static void main(String[] args) {
18        Calculator calc = new Calculator();
19
20        System.out.println("Sum (int, int): " + calc.add(2, 3));
21        System.out.println("Sum (double, double): " + calc.add(2.5, 3.5));
22        System.out.println("Sum (int, int, int): " + calc.add(1, 2, 3));
23    }
24 }
```

Output

Clear

Sum (int, int): 5
Sum (double, double): 6.0
Sum (int, int, int): 6


=== Code Execution Successful ===

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Demo.java

Share Run

Output

Clear

```
1 class Demo {  
2     int number;  
3  
4     // Constructor using 'this'  
5     Demo(int number) {  
6         this.number = number; // 'this' refers to current object  
7     }  
8  
9     void display() {  
10        System.out.println("Number is: " + number);  
11    }  
12  
13    public static void main(String[] args) {  
14        Demo d = new Demo(25);  
15        d.display();  
16    }  
17 }
```

Number is: 25
=== Code Execution Successful ===

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Student.java




```
1 class Student {
2     // Attributes
3     String name;
4     int rollNo;
5     float marks;
6
7     // Method to display student details
8     void display() {
9         System.out.println("Name: " + name);
10        System.out.println("Roll No: " + rollNo);
11        System.out.println("Marks: " + marks);
12    }
13
14    public static void main(String[] args) {
15        // Creating an object of Student
16        Student s1 = new Student();
17
18        // Assigning values
19        s1.name = "Ravi";
20        s1.rollNo = 101;
21        s1.marks = 92.5f;
22
23        // Displaying student details
24        s1.display();
25    }
26 }
```

Output


Clear

Name: Ravi
Roll No: 101
Marks: 92.5

=== Code Execution Successful ===

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Main.java



Share

Run

Output

Clear

```
1
2- class Main {
3-     public static void main(String[] args) {
4
5
6
7
8         System.out.print("the divisible numbers from 1 to 100 are: ");
9
10-     for (int i = 1; i <= 100; i++) {
11-         if(i%3==0 && i%5==0){
12             System.out.println(i+"");
13         }
14     }
15 }
16 }
```

```
the divisible numbers from 1 to 100 are: 15
30
45
60
75
90
=== Code Execution Successful ===
```



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Main.java

Share Run

Output

Clear

```
1 import java.util.Scanner;
2
3 class Main {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6
7         System.out.print("Enter number of terms: ");
8         int n = sc.nextInt();
9
10        int a = 0, b = 1; // first two terms
11
12        System.out.print("Fibonacci Series: ");
13
14        for (int i = 1; i <= n; i++) {
15            System.out.print(a + " ");
16            int next = a + b;
17            a = b;
18            b = next;
19        }
20    }
21 }
```

Enter number of terms: 798989
Fibonacci Series: 0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765 10946 17711 28657 46368 75025 121393 196418 317811 514229 832040 1346269 2178309 3524578 5702887 9227465 14930352 24157817 39088169 62245986 102334155 165580141 267914296 433494437 701408733 1134903170 1836311903 -1323752223 312559680 -811192543 -298632863 -1109625406 -1408458269 1776683621 368225352 2144908973 -1781832971 363076002 -1418756969 -1055680967 1820529360 764848393 -1709589543 -944741150 1640636603 695895453 -1958435240 -1262539787 1073992269 -188547518 885444751 696897233 1582341984 -2015720079 -433386095 1845853122 1412467027 -1836647147 375819880 -660827267 -285007387 -945834654 -1236842041 2118290601 887448560 -1289228135 -401779575 -1691007710 -2092787285 511172301 -1381614984 -1070442683 1642909629 572466946 -2079590721 -1507123775 708252800 -798870975 -90618175 -889489150 -980107325 -1869596475 1445263496 -424332979 1020930517 596597538 1617528055 -2080841703 -463313648 1750811945 1287498297 -1256657054 30841243 -1225815811 -1194974568 1874176917 6759202349 -1741588030 -1062385681 1490993585 428607904 1919601489 -1946757903 -27156414 -1973914317 -2001070731 319982248 -1681088483 -1361106235 1252772578 -108333637 1144438921 1036105264 -2114423111 -1078317847 1102226338 23908491 1126134829 1150043320 -2018789147 -868745827 1407432321 538686495 1946118817 -1810161984 135956833 -1674205151 -1538248318 1082513827 -455734491 626779336 171044845 797024181 968869026 1766693207 -1559405063 207288144 -1352116919 -1144828775 1798021602 653192827 -1843752867 -1190560040 1260654389 70994349 1330748738 1400843087 -1563375471 -162532384 -1725907855 -1888440239 680619202 -1207821037 -527201835 -1735022872 2032742589 297719717 -1964504990 -1666785273 663677033 -1003108240 -339431207 -1342539447 -1681970654 1270457195 -411513459 858943736 447430277 1306374013 1753804290 -1234788993 519015297 -715773696 -196758399 -912532095 -1109290494 -2021822589 1163854213 -857968376 305885837 -552082539 -246196702 -798279241 -1044475943 -1842755184 1407736169 -435019015 972717154 537698139 1510415293 2048113432 -736438571 1311674861 575236290 1886911151 -1832819855 54091296 -1778728559 -1724637263 791601474 -933035789 -141434315 -1074470104 -1215904419 2004592773 788680354 -1501686169 -712997815 2080283312 1367205497 -847396487 519087010 -327511477 192375533 -135135944 572395809 -77896355 -20656766 -98553121 -119209887 -217763008 -336972895 -554735903 -891708798 -1446444701 1956813797 510369096 -1827784403 -1317415307 1149767586 -167647721 982119865 814472144 1796592009 -1683903143 112688866 -1571214277 -1458525411 1265227608 -193297803 1071929805 878632002 1950561807 -1465773487 484788320 -980985167 -496196847 -1477182014 -1973378861 844406421 -1128972440 -284566019 -1413530459 -1698104478 1103324359 -514780119 688544240 153764121 822306361 976072482 1798380843 -1520513971 277866872 -1242647099 -964780227 2087539970 1122759743 -1084667583 38092160 -1046575423 -1008483263 -2055058686 1231425347 -823633339



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Main.java

Share Run

```
1 import java.util.Scanner;
2
3 class Main {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6
7         System.out.print("Enter a character: ");
8         char ch = sc.next().toLowerCase().charAt(0); // Convert input to lowercase
9
10        switch (ch) {
11            case 'a':
12            case 'e':
13            case 'i':
14            case 'o':
15            case 'u':
16                System.out.println(ch + " is a vowel.");
17                break;
18            default:
19                if (Character.isLetter(ch)) {
20                    System.out.println(ch + " is a consonant.");
21                } else {
22                    System.out.println(ch + " is not an alphabet letter.");
23                }
24        }
25    }
26 }
```

Output

Clear

Enter a character: po
p is a consonant.
*** Code Execution Successful ***

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Main.java

```
1 import java.util.Scanner;
2
3 class Main {
4     public static void main(String[] args) {
5         Scanner num = new Scanner(System.in);
6
7         System.out.println("enter a number");
8         int n=num.nextInt();
9         int s=0;
10        while(n>0)
11        {
12            int k=n%10;
13            s=s+k;
14            n=n/10;
15
16
17        }
18        System.out.println("the sum is"+s);
19    }
20 }
```

Output


```
enter a number
98
the sum is17
=== Code Execution Successful ===
```

Clear

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Main.java



Share

Run

Output

Clear

```
1 import java.util.Scanner;
2
3 class Main {
4     public static void main(String[] args) {
5         Scanner num = new Scanner(System.in);
6
7         System.out.println("enter a number");
8         int n = num.nextInt();
9         System.out.println("the table is");
10        for(int i=1; i<=20; i++)
11        {
12            int k=n*i;
13            System.out.println(n+"*"+i+"=" + k);
14        }
15    }
16 }
```

```
enter a number
654
the table is
654*1=654
654*2=1308
654*3=1962
654*4=2616
654*5=3270
654*6=3924
654*7=4578
654*8=5232
654*9=5886
654*10=6540
654*11=7194
654*12=7848
654*13=8502
654*14=9156
654*15=9810
654*16=10464
654*17=11118
654*18=11772
654*19=12426
654*20=13080
```

*** Code Execution Successful ***

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PrimeCheck.java

1 import java.util.Scanner;
2
3 public class PrimeCheck {
4 public static void main(String[] args) {
5 Scanner sc = new Scanner(System.in);
6 System.out.print("Enter a number: ");
7 int num = sc.nextInt();
8
9 boolean isPrime = true;
10
11 if (num <= 1) {
12 isPrime = false;
13 } else {
14 // Check for factors from 2 to sqrt(num)
15 for (int i = 2; i <= Math.sqrt(num); i++) {
16 if (num % i == 0) {
17 isPrime = false;
18 break;
19 }
20 }
21 }
22
23 // Output result
24 if (isPrime) {
25 System.out.println(num + " is a Prime Number.");
26 } else {
27 System.out.println(num + " is NOT a Prime Number.");
28 }
29 }
30 }

ShareRun

Output

Clear

Enter a number: 54
54 is NOT a Prime Number.
*** Code Execution Successful ***

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```
Main.java
1 import java.util.Scanner;
2 class Main {
3     public static void main(String[] args) {
4         Scanner num=new Scanner(System.in);
5         System.out.println("enter a number");
6         int n= num.nextInt();
7         if(n%2==0 && n%100!=0 && n%400==0)
8         {
9             System.out.println("leap year");
10        }
11        else{
12            System.out.println(" not a leap year");
13        }
14    }
15 }
16 }
```

Output

enter a number
654
not a leap year

=== Code Execution Successful ===

Clear



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```
OperatorPrecedenceDemo.java
1 public class OperatorPrecedenceDemo {
2     public static void main(String[] args) {
3
4         int a = 10, b = 5, c = 2;
5         int result;
6
7         // Expression to evaluate
8         result = a + b * c; // * has higher precedence than +
9         System.out.println("Expression: a + b * c");
10        System.out.println("Result: " + result);
11
12        // Using parentheses to change precedence
13        result = (a + b) * c;
14        System.out.println("\nExpression: (a + b) * c");
15        System.out.println("Result: " + result);
16
17        // Another example with mixed operators
18        result = a + b - c * 2 / 2;
19        System.out.println("\nExpression: a + b - c * 2 / 2");
20        System.out.println("Result: " + result);
21
22        // Explicit grouping
23        result = ((a + b) - (c * 2)) / 2;
24        System.out.println("\nExpression: ((a + b) - (c * 2)) / 2");
25        System.out.println("Result: " + result);
26    }
27 }
```

Output

Expression: a + b * c
Result: 20

Expression: (a + b) * c
Result: 30

Expression: a + b - c * 2 / 2
Result: 13

Expression: ((a + b) - (c * 2)) / 2
Result: 5

=== Code Execution Successful ===

Clear



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AsciiLowercase.java

1 public class AsciiLowercase {
2 public static void main(String[] args) {
3 System.out.println("Lowercase Letters and their ASCII Values:");
4
5 for(char ch = 'a'; ch <= 'z'; ch++) {
6 System.out.println(ch + " --> " + (int)ch);
7 }
8 }
9 }

ShareRun

Output

Clear

Lowercase Letters and their ASCII Values:
a --> 97
b --> 98
c --> 99
d --> 100
e --> 101
f --> 102
g --> 103
h --> 104
i --> 105
j --> 106
k --> 107
l --> 108
m --> 109
n --> 110
o --> 111
p --> 112
q --> 113
r --> 114
s --> 115
t --> 116
u --> 117
v --> 118
w --> 119
x --> 120
y --> 121
z --> 122

=== Code Execution Successful ===

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Main.java



Run


```
1 // Online Java Compiler
2 // Use this editor to write, compile and run your Java code online
3 import java.util.Scanner;
4 class Main {
5     public static void main(String[] args) {
6         int n1,n2,n3;
7         Scanner num = new Scanner(System.in);
8         System.out.println("enter n1");
9         n1=num.nextInt();
10        System.out.println("enter n2");
11        n2=num.nextInt();
12        System.out.println("enter n3");
13        n3=num.nextInt();
14        if (n1>n2&n1>n3){
15            System.out.println("n1 is greater ");
16        }
17        else if(n2>n3 & n2>n1){
18            System.out.println("n2 is greater");
19        }
20        else{
21            System.out.println("n3 is greater");
22        }
23    }
24 }
```

Output


Clear

enter n1
45
enter n2
68
enter n3
98
n3 is greater

=== Code Execution Successful ===

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TypeCastingDemo.java

Run

Share

```
1 public class TypeCastingDemo {  
2     public static void main(String[] args) {  
3  
4         // Widening Casting (Implicit)  
5         int i = 25;  
6         float f = i; // int to float  
7         double d = f; // float to double  
8  
9         System.out.println("Widening Casting:");  
10        System.out.println("int value: " + i);  
11        System.out.println("float value: " + f);  
12        System.out.println("double value: " + d);  
13  
14        // Narrowing Casting (Explicit)  
15        double d2 = 99.99;  
16        float f2 = (float) d2; // double to float  
17        int i2 = (int) f2; // float to int  
18  
19        System.out.println("\nNarrowing Casting:");  
20        System.out.println("double value: " + d2);  
21        System.out.println("float value: " + f2);  
22        System.out.println("int value: " + i2);  
23    }  
24 }
```

Output

Clear

```
Widening Casting:  
int value: 25  
float value: 25.0  
double value: 25.0  
  
Narrowing Casting:  
double value: 99.99  
float value: 99.99  
int value: 99  
  
=== Code Execution Successful ===
```

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Main.java

Share Run

Output

Clear

```
1
2 import java.util.Scanner;
3
4 class Main {
5     public static void main(String[] args) {
6
7         Scanner n = new Scanner(System.in); // Corrected Scanner object name and constructor
8         System.out.println("Enter a number: ");
9         int num = n.nextInt(); // Changed variable name from 'n' to 'num' to avoid conflict
10
11         if (num % 2 == 0) {
12             System.out.println("Even"); // Corrected 'system' to 'System'
13         } else {
14             System.out.println("Odd"); // Corrected 'system' to 'System'
15         }
16     }
17 }
```

```
Enter a number:
45
Odd

=== Code Execution Successful ===
```

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Main.java


```
1 import java.util.Scanner;
2 class Main {
3     public static void main(String[] args) {
4         double c,f;
5         Scanner one=new Scanner(System.in);
6         System.out.println("enter celcius");
7         c=one.nextInt();
8         f=1.8*c+32;
9         System.out.println("in fahrenheit "+f);
10
11         System.out.println("enter fahrenheit");
12         f=one.nextInt();
13         c=(f-32)/1.8;
14
15         System.out.println("in celcius"+c);
16     }
17 }
```

Output

```
enter celcius
56
in fahrenheit 132.8
enter fahrenheit
56
in celcius13.333333333333332
=== Code Execution Successful ===
```

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Main.java

Share

Run

```
1 import java.util.Scanner;
2 class Main {
3     public static void main(String[] args) {
4         int l,b,a,p;
5         Scanner len=new Scanner(System.in);
6         System.out.println("enter length");
7         l= len.nextInt();
8         Scanner bre=new Scanner(System.in);
9         System.out.println("enter breadth");
10        b= bre.nextInt();
11        a=l*b;
12        p=2*(l+b);
13        System.out.println("area:"+a);
14        System.out.println("perimeter:"+p);
15    }
16 }
```

Output

Clear

```
enter length
8
enter breadth
5
area:40
perimeter:26

=== Code Execution Successful ===
```

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```
Main.java
1 import java.util.Scanner;
2 class Main {
3     public static void main(String[] args) {
4         int a,b;
5         Scanner one=new Scanner(System.in);
6         System.out.println("enter a");
7         a=one.nextInt();
8         System.out.println("enter b");
9         b=one.nextInt();
10        a=a+b;
11        b=a-b;
12        a=a-b;
13
14        System.out.println(a);
15        System.out.println(b);
16    }
17 }
```

Output

```
enter a
89
enter b
84
84
89

=== Code Execution Successful ===
```

Clear

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