

OnlineGDB beta
online compiler and debugger for c/c++

code, compile, run, debug, share.

IDE

My Projects

Classroom new

Learn Programming

Programming Questions

Jobs new

Sign Up

Login

Learn Python with
KodeKloud

Run Debug Stop Share Save Beautify

RecursiveFactorial

```
1 import java.util.Scanner;
2
3 public class RecursiveFactorial {
4
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7
8         System.out.print("Enter integer: ");
9         int n = scanner.nextInt();
10
11         if (n < 0) {
12             System.out.println("Please enter a non-negative integer.");
13         } else {
14             long factorial = calculateFactorial(n);
15             System.out.println("Factorial of " + n + " is: " + factorial);
16         }
17
18         scanner.close();
19     }
20
21     public static long calculateFactorial(int n) {
22         if (n == 0 || n == 1) {
23             return 1;
24         } else {
25             return n * calculateFactorial(n - 1);
26         }
27     }
28 }
```

input

Enter integer: 4
Factorial of 4 is: 24

...Program finished with exit code 0
Press ENTER to exit console.

About • FAQ • Blog • Terms of Use • Contact Us • GDB
Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online

Search

ENG
IN

02:09 PM
07-03-2024

OnlineGDB beta
online compiler and debugger for c/c++

code, compile, run, debug, share.

IDE

My Projects

Classroom new

Learn Programming

Programming Questions

Jobs new

Sign Up

Login

Learn Python with
KodeKloud

Online Python Compiler - online

Online Python Compiler - online

+

onlinegdb.com/online_python_compiler#

Language Java

FibonacciSeries.java

```
1 public class FibonacciSeries {
2
3     public static void main(String[] args) {
4         Scanner scanner = new Scanner(System.in);
5
6         System.out.print("Enter the number for Fibonacci series: ");
7         int n = scanner.nextInt();
8
9         System.out.println("Fibonacci series up to " + n + " terms:");
10        printFibonacciSeries(n);
11
12        scanner.close();
13    }
14
15    public static void printFibonacciSeries(int n) {
16        int firstTerm = 0, secondTerm = 1;
17
18        for (int i = 0; i < n; i++) {
19            System.out.print(firstTerm + " ");
20
21            int nextTerm = firstTerm + secondTerm;
22            firstTerm = secondTerm;
23            secondTerm = nextTerm;
24        }
25    }
26 }
27
28
29
```

input

Enter the number for Fibonacci series: 8
Fibonacci series up to 8 terms:
0 1 1 2 3 5 8 13
...Program finished with exit code 0
Press ENTER to exit console.

About • FAQ • Blog • Terms of Use • Contact Us • GDB
Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online

Search

ENG
IN

11:54 AM
07-03-2024

OnlineGDB beta
online compiler and debugger for c/c++

code, compile, run, debug, share.

IDE

My Projects

Classroom new

Learn Programming

Programming Questions

Jobs new

Sign Up

Login

Learn Python with
KodeKloud

About • FAQ • Blog • Terms of Use • Contact Us • GDB
Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online

onlinegdb.com/online_python_compiler#

Language Java

Run Debug Stop Share Save Beautify

HollowSquarePattern.java

```
1 public class HollowSquarePattern {
2
3     public static void main(String[] args) {
4         Scanner scanner = new Scanner(System.in);
5
6         System.out.print("Enter the side length of the square: ");
7         int sideLength = scanner.nextInt();
8
9         printHollowSquare(sideLength);
10
11         scanner.close();
12     }
13
14     public static void printHollowSquare(int sideLength) {
15         for (int i = 1; i <= sideLength; i++) {
16             for (int j = 1; j <= sideLength; j++) {
17                 if (i == 1 || i == sideLength || j == 1 || j == sideLength) {
18                     System.out.print("* ");
19                 } else {
20                     System.out.print(" ");
21                 }
22             }
23             System.out.println();
24         }
25     }
26 }
27
28
29
```

input

Enter the side length of the square: 4
* * * *
* *
* *
* * * *
...Program finished with exit code 0

Search

ENG IN 12:12 PM 07-03-2024

OnlineGDB beta
online compiler and debugger for c/c++

code, compile, run, debug, share.

IDE

My Projects

Classroom new

Learn Programming

Programming Questions

Jobs new

Sign Up

Login

Learn Python with
KodeKloud

About • FAQ • Blog • Terms of Use • Contact Us • GDB
Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online

Online Python Compiler - online x Online Python Compiler - online x +

onlinegdb.com/online_python_compiler#

Run Debug Stop Share Save Beautify

Language Java

LCMGCDCalculato...

```
1 import java.util.Scanner;
2
3 public class LCMGCDCalculator {
4
5     public static int findGCD(int a, int b) {
6         while (b != 0) {
7             int temp = b;
8             b = a % b;
9             a = temp;
10        }
11        return a;
12    }
13    public static int findLCM(int a, int b) {
14        return (a * b) / findGCD(a, b);
15    }
16
17    public static int findGCDofArray(int[] arr) {
18        int result = arr[0];
19        for (int i = 1; i < arr.length; i++) {
20            result = findGCD(result, arr[i]);
21        }
22        return result;
23    }
24
25    public static int findLCMofArray(int[] arr) {
26        int result = arr[0];
27        for (int i = 1; i < arr.length; i++) {
28            result = findLCM(result, arr[i]);
29        }
30    }
31 }
```

input

Enter the number of elements: 2
Enter the elements:
1
4
GCD of the numbers: 1
LCM of the numbers: 4

OnlineGDB beta
online compiler and debugger for c/c++

code, compile, run, debug, share.

IDE

My Projects

Classroom new

Learn Programming

Programming Questions

Jobs new

Sign Up

Login

Learn Python with
KodeKloud

onlinegdb.com/online_python_compiler#

Run Debug Stop Share Save Beautify

Language Java

PrimeCompositeC...

```
1 import java.util.Scanner;
2
3 public class PrimeCompositeCounter {
4
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7
8         System.out.print("Enter the number of elements: ");
9         int n = scanner.nextInt();
10
11         int[] numbers = new int[n];
12         System.out.println("Enter the elements:");
13
14         for (int i = 0; i < n; i++) {
15             numbers[i] = scanner.nextInt();
16         }
17
18         int primeCount = 0;
19         int compositeCount = 0;
20
21         for (int num : numbers) {
22             if (isPrime(num)) {
23                 primeCount++;
24             } else {
25                 compositeCount++;
26             }
27         }
28     }
29 }
```

input

Enter the elements:
2 4 17 12 5
Number of prime numbers: 3
Number of composite numbers: 2

...Program finished with exit code 0
Press ENTER to exit console.

About • FAQ • Blog • Terms of Use • Contact Us • GDB
Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online

Search

ENG
IN

02:01 PM
07-03-2024

Online Python Compiler - online

Online Python Compiler - online

Online Python Compiler - online

Online Python Compiler - online

Online Python Compiler - online

+

onlinegdb.com/online_python_compiler#

☆

🔍

🔒

🔧

OnlineGDB beta

online compiler and debugger for c/c++

code, compile, run, debug, share.

IDE

My Projects

Classroom new

Learn Programming

Programming Questions

Jobs new

Sign Up

Login

Learn Python with KodeKloud

SimpleInterestCalc...

Run

Debug

Stop

Share

Save

Beautify

👤

Language Java

```
2
3 public class SimpleInterestCalculator {
4
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7
8         System.out.print("Enter the principal amount: ");
9         double principal = scanner.nextDouble();
10
11        System.out.print("Enter number of years: ");
12        double time = scanner.nextDouble();
13
14        System.out.print("Are you a senior citizen? (true/false): ");
15        boolean isSeniorCitizen = scanner.nextBoolean();
16
17        double rateOfInterest = isSeniorCitizen ? 0.12 : 0.10;
18
19        double simpleInterest = calculateSimpleInterest(principal, time, rateOfInterest);
20
21        System.out.println("Simple Interest: " + simpleInterest);
22
23        scanner.close();
24    }
25
26    public static double calculateSimpleInterest(double principal, double time, double rateOfInterest) {
27        return principal * rateOfInterest * time;
28    }
29 }
```

input

Enter the principal amount: 100000
Enter number of years: 3
Are you a senior citizen? (true/false): true
Simple Interest: 36000.0
...Program finished with exit code 0
Press ENTER to exit console.

About • FAQ • Blog • Terms of Use • Contact Us • GDB Tutorial • Credits • Privacy

© 2016 - 2024 GDB Online

🪟

🔍 Search

📧

🔥

📁

🌐

🖥️

📶

ENG IN

12:23 PM 07-03-2024

👤

OnlineGDB beta
online compiler and debugger for c/c++

code, compile, run, debug, share.

IDE

My Projects

Classroom new

Learn Programming

Programming Questions

Jobs new

Sign Up

Login

Learn Python with
KodeKloud

About • FAQ • Blog • Terms of Use • Contact Us • GDB
Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online

Run Debug Stop Share Save Beautify

PerfectSquareWith...
1 import java.util.Scanner;
2
3 public class PerfectSquareWithSumLessThan10 {
4
5 public static void main(String[] args) {
6 Scanner scanner = new Scanner(System.in);
7
8 System.out.print("Enter the start of the range: ");
9 int startRange = scanner.nextInt();
10
11 System.out.print("Enter the end of the range: ");
12 int endRange = scanner.nextInt();
13
14 System.out.println("Numbers in the range [" + startRange + ", " + endRange + "] "
15 + "which are perfect squares and have a sum of digits less than 10:");
16
17 for (int i = startRange; i <= endRange; i++) {
18 if (isPerfectSquare(i) && sumOfDigits(i) < 10) {
19 System.out.print(i + " ");
20 }
21 }
22
23 scanner.close();
24 }
25
26 public static boolean isPerfectSquare(int num) {
27 int sqrt = (int) Math.sqrt(num);
28 return sqrt * sqrt == num;
29 }
30 }

input
Enter the start of the range: 1
Enter the end of the range: 30
Numbers in the range [1, 30] which are perfect squares and have a sum of digits less than 10:
1 4 9 16 25
...Program finished with exit code 0
Press ENTER to exit console.

Language Java

OnlineGDB beta
online compiler and debugger for c/c++

code, compile, run, debug, share.

IDE

My Projects

Classroom new

Learn Programming

Programming Questions

Jobs new

Sign Up

Login

Learn Python with
KodeKloud

About • FAQ • Blog • Terms of Use • Contact Us • GDB
Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online

Run Debug Stop Share Save Beautify

VotingEligibility.java

```
1 import java.util.Scanner;
2
3 public class VotingEligibility {
4
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7
8         System.out.print("Enter your age: ");
9         int age = scanner.nextInt();
10
11         checkVotingEligibility(age);
12
13         scanner.close();
14     }
15
16     public static void checkVotingEligibility(int age) {
17         final int VOTING_AGE = 18;
18
19         if (age >= VOTING_AGE) {
20             System.out.println("Congratulations! You are eligible for voting.");
21         } else {
22             int yearsLeft = VOTING_AGE - age;
23             System.out.println("Sorry, you are not eligible for voting.");
24             System.out.println("you are allowed to vote after" + yearsLeft + "year.");
25         }
26     }
27 }
28
```

input

Enter your age: 12
Sorry, you are not eligible for voting.
you are allowed to vote after6year.

...Program finished with exit code 0
Press ENTER to exit console.

Language Java