**1. Write a JAVA program to find maximum between two numbers.**

public class Main {

public static void main(String args[]) {

int a=20;

int b=10;

if(a<b)

System.out.println("b is greater than a");

else

System.out.println("a is greater than b");

}

}

**2. Write a JAVA program to find maximum between three numbers.**

public class Main {

public static void main(String args[]) {

int a=20;

int b=10;

int c=30;

if(a>b && a>c)

System.out.println("a is maximum number");

else if(b>a && b>c)

System.out.println("b is maximum number");

else

System.out.println("c is maximum number");

}

}

**3. Write a JAVA program to check whether a number is negative, positive or zero.**

import java.util.\*;

public class Main {

public static void main(String args[]) {

Scanner sc=new Scanner(System.in);

System.out.println("Enter a number");

int a=sc.nextInt();

if(a==0)

System.out.println("Entered number is zero");

else if(a<0)

System.out.println("Entered number is negative");

else

System.out.println("Entered number is positive");

}

}

**4. Write a JAVA program to check whether a number is divisible by 5 and 11 or not.**

**import java.util.\*;**

**public class Main {**

**public static void main(String args[]) {**

**Scanner sc=new Scanner(System.in);**

**System.out.println("Enter a number");**

**int a=sc.nextInt();**

**if(a%5==0 && a%11==0)**

**System.out.println("Entered number is devisible by 5 and 11");**

**else**

**System.out.println("can not be devided by 5 and 11");**

**}**

**}**

**5. Write a JAVA program to check whether a number is even or odd**.

import java.util.\*;

public class Main {

public static void main(String args[]) {

Scanner sc=new Scanner(System.in);

System.out.println("Enter a number");

int a=sc.nextInt();

if(a%2==0)

System.out.println("Entered number is even");

else

System.out.println("Entered number is odd");

}

}

**6. Write a JAVA program to check whether a year is leap year or not.**

**/\* step 1. If the year is evenly divisible by 4, go to step 2. Otherwise, go to step 5.**

**step 2. If the year is evenly divisible by 100, go to step 3. Otherwise, go to step 4.**

**step 3. If the year is evenly divisible by 400, go to step 4. Otherwise, go to step 5.**

**step 4. The year is a leap year (it has 366 days).**

**step 5. The year is not a leap year (it has 365 days).\*/**

**import java.util.\*;**

**public class Main {**

**public static void main(String[] args) {**

**Scanner sc=new Scanner(System.in);**

**System.out.println("Enter a year");**

**int year =sc.nextInt();**

**boolean leap = false;**

**if (year % 4 == 0) {**

**if (year % 100 == 0) {**

**if (year % 400 == 0)**

**leap = true;**

**else**

**leap = false;**

**}**

**else**

**leap = true;**

**}**

**else**

**leap = false;**

**if (leap)**

**System.out.println(year + " is a leap year.");**

**else**

**System.out.println(year + " is not a leap year.");**

**}**

**}**

**7. Write a JAVA program to check whether a character is alphabet or not.**

**import java.util.\*;**

**public class Main {**

**public static void main(String[] args) {**

**Scanner sc=new Scanner(System.in);**

**System.out.println("Enter a Character");**

**char c =sc.next().charAt(0);**

**if( (c >= 'a' && c <= 'z') || (c >= 'A' && c <= 'Z'))**

**System.out.println(c + " is an alphabet.");**

**else**

**System.out.println(c + " is not an alphabet.");**

**}**

**}**

**8. Write a JAVA program to input any alphabet and check whether it is vowel or consonant.**

**import java.util.\*;**

**public class Main {**

**public static void main(String[] args) {**

**Scanner sc=new Scanner(System.in);**

**System.out.println("Enter a Character");**

**char c =sc.next().charAt(0);**

**if( (c >= 'a' && c <= 'z') || (c >= 'A' && c <= 'Z')){**

**if(c=='a' || c=='e' || c=='i' || c=='o' || c=='u' || c=='A' || c=='E' || c=='I' || c=='O' || c=='U'){**

**System.out.println("Entered Character is vowel");**

**}**

**else{**

**System.out.println("Entered Character is consonant");**

**}**

**}**

**else**

**System.out.println(c + " is not an alphabet.");**

**}**

**}**

**9. Write a JAVA program to input any character and check whether it is alphabet, digit or special character.**

**import java.util.\*;**

**public class Main {**

**public static void main(String[] args) {**

**Scanner sc = new Scanner(System.in);**

**System.out.println("Enter any caracter : ");**

**char ch = sc.next().charAt(0);**

**if((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'Z')) {**

**System.out.println(ch + " is A ALPHABET.");**

**}**

**else if(ch >= '0' && ch <= '9') {**

**System.out.println(ch + " is A DIGIT.");**

**} else {**

**System.out.println(ch + " is A SPECIAL CHARACTER.");**

**}**

**}**

**}**

**10. Write a JAVA program to check whether a character is uppercase or lowercase alphabet.**

import java.util.\*;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("Enter any caracter : ");

char ch = sc.next().charAt(0);

if((ch >= 'a' && ch <= 'z')) {

System.out.println(ch + " is in lowercase.");

}

else if((ch >= 'A' && ch <= 'Z')) {

System.out.println(ch + " is in uppercase.");

}

else

System.out.println("Please enter a Character");

}

}

**11. Write a JAVA program to input week number and print week day.**

**import java.util.Scanner;**

**public class Main {**

**public static void main(String[] args) {**

**Scanner sc = new Scanner(System.in);**

**System.out.println("Enter weekday day number (1-7) : ");**

**int weekday = sc.nextInt();**

**if(weekday == 1) {**

**System.out.println("Monday");**

**} else if(weekday == 2) {**

**System.out.println("Tuesday");**

**} else if(weekday == 3) {**

**System.out.println("Wednesday");**

**} else if(weekday == 4) {**

**System.out.println("Thursday");**

**} else if(weekday == 5) {**

**System.out.println("Friday");**

**} else if(weekday == 6) {**

**System.out.println("Saturday");**

**} else if(weekday == 7) {**

**System.out.println("Sunday");**

**} else {**

**System.out.println("Please enter weekday number between 1-7.");**

**}**

**}**

**}**

**12. Write a JAVA program to count total number of notes in given amount.**

**import java.util.Scanner;**

**public class Main {**

**public static void main(String[] args) {**

**Scanner sc = new Scanner(System.in);**

**System.out.println("Enter amount: ");**

**int amount = sc.nextInt();**

**int hCount=0;**

**int thCount=0;**

**int fhCount=0;**

**if(amount%500==0) {**

**fhCount=amount/500;**

**amount=amount-fhCount\*500;**

**System.out.println("500 notes are:"+fhCount);**

**}**

**if(amount%200==0) {**

**thCount=amount/200;**

**amount=amount-thCount\*200;**

**System.out.println("200 notes are:"+thCount);**

**}**

**if(amount%100==0) {**

**hCount=amount/100;**

**amount=amount-hCount\*100;**

**System.out.println("100 notes are:"+hCount);**

**}**

**}**

**}**

13. Write a JAVA program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:

Percentage >= 90% : Grade A

Percentage >= 80% : Grade B

Percentage >= 70% : Grade C

Percentage >= 60% : Grade D

Percentage >= 40% : Grade E

Percentage < 40% : Grade F

14. Write a JAVA program to input basiJAVAsalary of an employee and calculate its Gross salary according to following:

BasiJAVASalary <= 10000 : HRA = 20%, DA = 80%

BasiJAVASalary <= 20000 : HRA = 25%, DA = 90%

BasiJAVASalary > 20000 : HRA = 30%, DA = 95%

15. Write a JAVA program to input electricity unit charges and calculate total electricity bill according to the given condition:

For first 50 units Rs. 0.50/unit

For next 100 units Rs. 0.75/unit

For next 100 units Rs. 1.20/unit

For unit above 250 Rs. 1.50/unit

An additional surcharge of 20% is added to the bill

16. Write a JAVA program to print day of week name using switch case.

17. Write a JAVA program to print all natural numbers from 1 to n. - using while loop

18. Write a JAVA program to print all natural numbers in reverse (from n to 1). - using while loop

19. Write a JAVA program to print all alphabets from a to z. - using while loop

20. Write a JAVA program to print all even numbers between 1 to 100. - using while loop

21. Write a JAVA program to print all odd number between 1 to 100.

22. Write a JAVA program to find sum of all natural numbers between 1 to n.

23. Write a JAVA program to find sum of all even numbers between 1 to n.

24. Write a JAVA program to find sum of all odd numbers between 1 to n.

25. Write a JAVA program to print multiplication table of any number.

26. Write a JAVA program to count number of digits in a number.

27. Write a JAVA program to find first and last digit of a number.

28. Write a JAVA program to find sum of first and last digit of a number.

29. Write a JAVA program to check whether a number is palindrome or not.

30. Write a JAVA program to calculate sum of digits of a number.

31. Write a JAVA program to calculate product of digits of a number.

32. Write a JAVA program to enter a number and print its reverse.

33. Write a JAVA program to find frequency of each digit in a given integer.

34. Write a JAVA program to enter a number and print it in words.

35. Write a JAVA program to print all ASCII character with their values.

36. Write a JAVA program to find power of a number using for loop.

37. Write a JAVA program to find all factors of a number.

**38. Write a JAVA program to calculate factorial of a number.**

39. Write a JAVA program to check whether a number is Prime number or not.

40. Write a JAVA program to print all Prime numbers between 1 to n.

41. Write a JAVA program to find sum of all prime numbers between 1 to n.

42. Write a JAVA program to find all prime factors of a number.

43. Write a JAVA program to check whether a number is Armstrong number or not.

44. Write a JAVA program to print all Armstrong numbers between 1 to n.

45. Write a JAVA program to check whether a number is Perfect number or not.

46. Write a JAVA program to print all Perfect numbers between 1 to n.

47. Write a JAVA program to check whether a number is Strong number or not.

48. Write a JAVA program to print all Strong numbers between 1 to n.

49. Write a JAVA program to print Fibonacci series up to n terms

50. Write a JAVA program to print all negative elements in an array.

51. Write a JAVA program to find second largest element in an array.

52. Write a JAVA program to find maximum and minimum element in an array.

53. Write a JAVA program to count total number of even and odd elements in an array.

54. Write a JAVA program to count total number of negative elements in an array.

55. Write a JAVA program to copy all elements from an array to another array.

56. Write a JAVA program to delete an element from an array at specified position.

57. Write a JAVA program to count frequency of each element in an array.

58. Write a JAVA program to print all unique elements in the array.

59. Write a JAVA program to count total number of duplicate elements in an array.

60. Write a JAVA program to delete an element from an array at specified position.

61. Write a JAVA program to count frequency of each element in an array.

62. Write a JAVA program to print all unique elements in the array.

63. Write a JAVA program to count total number of duplicate elements in an array.

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77. Write a JAVA program to create a file and write contents, save and close the file.

78. Write a JAVA program to read file contents and display on console.

79. WAP to read numbers from a file and write even, odd and prime numbers to separate file.

80. Write a JAVA program to copy contents from one file to another file.

81. Write a JAVA program to merge two file to third file.

82. Write a JAVA program to count characters, words and lines in a text file.

83. WAP to check whether a number is prime, Armstrong or perfect number using functions.

84. WAP to find all prime numbers between given interval using functions.

85. WAP to print all strong numbers between given interval using functions.

86. WAP to print all Armstrong numbers between given interval using functions.

87. WAP to print all perfect numbers between given interval using functions.

88. WAP to Print the Alternate Elements in an Array

89. WAP to Display the ATM Transaction

90. WAP to print reverse case of a given string