**1.Java program to add two numbers.**

Program:-public class add{

public static void main(String[] args){

int a=10;

int b=20;

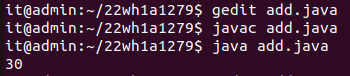
int res=a+b;

System.out.println(res);

}

}

Output:-



**2.Java program to Multiply two Floating point Numbers**

Program:- public class MultiplyTwoNumbers {

public static void main(String[] args) {

float first = 1.5f;

float second = 2.0f;

float product = first \* second;

System.out.println("The product is: + product):

}

}

Output:-

**3.Java program to find ASCII value of a character**

Program:-public class AsciiValue {

public static void main(String[] args) {

char ch = 'a';

int ascii = ch;

int castAscii = (int) ch;

System.out.println("The ASCII value of " + ch + " is: " + ascii);

System.out.println("The ASCII value of " + ch + " is: " + castAscii);

}

}

Output:-

**4.Java program to compute quotient and remainder.**

Program:- public class QuotientRemainder {

public static void main(String[] args){

int dividend = 25, divisor = 4;

int quotient = dividend / divisor;

int remainder = dividend % divisor;

System.out.println("Quotient = " + quotient);

System.out.println("Remainder = " + remainder);

}

}

Output:-

**5.Java program to swap Two numbers**

Program:- public class SwapNumbers {

public static void main(String[] args) {

float first = 1.20f, second = 2.45f;

System.out.println("--Before swap--");

System.out.println("First number = " + first);

System.out.println("Second number = " + second);

float temporary = first;

first = second;

second = temporary;

System.out.println("--After swap--");

System.out.println("First number = " + first);

System.out.println("Second number = " + second);

}

}

Output:-

**6.Java Program to check whether a number is even or odd.**

Program:- import java.util.Scanner;

public class EvenOdd {

public static void main(String[] args) {

Scanner reader = new Scanner(System.in);

System.out.print("Enter a number: ");

int num = reader.nextInt();

if(num % 2 == 0)

System.out.println(num + " is even");

else

System.out.println(num + " is odd");

}

}

Output:-

**7.Java program to check whether an alphabet is a vowel or consonant.**

Program:- public class VowelConsonant {

public static void main(String[] args) {

char ch = 'i';

if(ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' ||ch=='A' || ch=='E' ||ch==’I’||ch==’O’||ch==’U’)

System.out.println(ch + " is vowel");

else

System.out.println(ch + " is consonant");

}

}

Output:-

**8.Java program to find largest among three numbers.**

Program:- public class Largest {

public static void main(String[] args) {

double n1 = -4.5, n2 = 3.9, n3 = 2.5;

if( n1 >= n2 && n1 >= n3)

System.out.println(n1 + " is the largest number.");

else if (n2 >= n1 && n2 >= n3)

System.out.println(n2 + " is the largest number.");

else

System.out.println(n3 + " is the largest number.");

}

}

Output:-

**9.Java program to check leap year.**

Program:-public class Main {

public static void main(String[] args) {

int year = 1900;

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.");

}

}

Output:-

**10.Java program to find factorial of a number.**

Program:- public class Factorial {

public static void main(String[] args) {

int num = 10;

long factorial = 1;

for(int i = 1; i <= num; ++i) {

factorial \*= i;

}

System.out.printf("Factorial of %d = %d", num, factorial);

}

}

Output:-

**11.Java Program to Generate Multiplication Table.**

Program:- public class MultiplicationTable {

public static void main(String[] args) {

int num = 5;

for(int i = 1; i <= 10; ++i){

System.out.printf("%d \* %d = %d \n", num, i, num \* i);

}

}

}

Output:-

**12.Java Program to display Fibonacci series.**

Program:- class Main {

public static void main(String[] args){

int n = 10, firstTerm = 0, secondTerm = 1;

System.out.println("Fibonacci Series till " + n + " terms:");

for (int i = 1; i <= n; ++i) {

System.out.print(firstTerm + ", ");

int nextTerm = firstTerm + secondTerm;

firstTerm = secondTerm;

secondTerm = nextTerm;

}

}

}

Output:-

**13.Java program to find gcd of two numbers.**

Program:-class Main {

public static void main(String[] args) {

int n1 = 81, n2 = 153;

int gcd = 1;

for (int i = 1; i <= n1 && i <= n2; ++i) {

if (n1 % i == 0 && n2 % i == 0)

gcd = i;

}

System.out.println("GCD of " + n1 +" and " + n2 + " is " + gcd);

}

}

Output:-

**14.Java program to find LCM of two numbers.**

Program:- public class Main {

public static void main(String[] args) {

int n1 = 72, n2 = 120, lcm;

lcm = (n1 > n2) ? n1 : n2;

while(true) {

if( lcm % n1 == 0 && lcm % n2 == 0 ) {

System.out.printf("The LCM of %d and %d is %d.", n1, n2, lcm);

break;

}

++lcm;

}

}

}

Output:-

**15.Java program to display alphabets from A to Z using loop.**

Program:- class Main {

public static void main(String[] args) {

char c;

for(c = 'A'; c <= 'Z'; ++c)

System.out.print(c + " ");

}

}

Output:-

**16.Java program to count number of digits in an integer.**

Program:- public class Main {

public static void main(String[] args) {

int count = 0, num = 0003452;

while (num != 0) {

// num = num/10

num /= 10;

++count;

}

System.out.println("Number of digits: " + count);

}

}

Output:-

**17.Java program to reverse a number.**

Program:- class Main {

public static void main(String[] args) {

int num = 1234, reversed = 0;

System.out.println("Original Number: " + num);

while(num != 0) {

int digit = num % 10;

reversed = reversed \* 10 + digit;

num /= 10;

}

System.out.println("Reversed Number: " + reversed);

}

}

Output:-

18.Java program to calculate power of a number.

Program:- class Main {

public static void main(String[] args) {

int base = 3, exponent = 4;

long result = 1;

while (exponent != 0) {

result \*= base;

--exponent;

}

System.out.println("Answer = " + result);

}

}

Output:-

19.Java program to check palindrome.

Program:- class Main {

public static void main(String[] args) {

String str = "Radar", reverseStr = "";

int strLength = str.length();

for (int i = (strLength - 1); i >=0; --i) {

reverseStr = reverseStr + str.charAt(i);

}

if (str.toLowerCase().equals(reverseStr.toLowerCase())) {

System.out.println(str + " is a Palindrome String.");

}

else {

System.out.println(str + " is not a Palindrome String.");

}

}

}

Output:-

**20.Java program to check whether a number is prime or not.**

Program:- public class Main {

public static void main(String[] args) {

int num = 29;

boolean flag = false;

for (int i = 2; i <= num / 2; ++i) {

if (num % i == 0) {

flag = true;

break;

}

}

if (!flag)

System.out.println(num + " is a prime number.");

else

System.out.println(num + " is not a prime number.");

}

}

Output:-

**21.Java program to display prime numbers between two intervals.**

Program:- public class Prime {

public static void main(String[] args) {

int low = 20, high = 50;

while (low < high) {

boolean flag = false;

for(int i = 2; i <= low/2; ++i) {

if(low % i == 0) {

flag = true;

break;

}

}

if (!flag && low != 0 && low != 1)

System.out.print(low + " ");

++low;

}

}

}

Output:-

**22.Java program to check Armstrong number.**

Program:-public class Armstrong {

public static void main(String[] args) {

int number = 371, originalNumber, remainder, result = 0;

originalNumber = number;

while (originalNumber != 0) {

remainder = originalNumber % 10;

result += Math.pow(remainder, 3);

originalNumber /= 10;

}

if(result == number)

System.out.println(number + " is an Armstrong number.");

else

System.out.println(number + " is not an Armstrong number.");

}

}

Output:-

**23.Java program to display Armstrong number between two intervals.**

Program:- class Main {

public static void main(String[] args) {

int low = 999, high = 99999;

for(int number = low + 1; number < high; ++number) {

int digits = 0;

int result = 0;

int originalNumber = number;

while (originalNumber != 0) {

originalNumber /= 10;

++digits;

}

originalNumber = number;

while (originalNumber != 0) {

int remainder = originalNumber % 10;

result += Math.pow(remainder, digits);

originalNumber /= 10;

}

if (result == number) {

System.out.print(number + " ");

}

}

Output:-

24.Java program to display prime numbers between intervals using function.

Program:- public class Prime {

public static void main(String[] args) {

int low = 20, high = 50;

while (low < high) {

if(checkPrimeNumber(low))

System.out.print(low + " ");

++low; } }

public static boolean checkPrimeNumber(int num) {

boolean flag = true;

for(int i = 2; i <= num/2; ++i) {

if(num % i == 0) {

flag = false;

break; }}

return flag;

}

}

Output:-

**25**.**Java program to display Armstrong number between two intervals using function:-**

Program:- class Main {

public static void main(String[] args) {

int low = 999, high = 99999;

for(int number = low + 1; number < high; ++number) {

int digits = 0;

int result = 0;

int originalNumber = number;

while (originalNumber != 0) {

originalNumber /= 10;

++digits;

}

originalNumber = number;

while (originalNumber != 0) {

int remainder = originalNumber % 10;

result += Math.pow(remainder, digits);

originalNumber /= 10;

}

if (result == number) {

System.out.print(number + " "); } }

}

}

Output:-

26.Java program to display factors of a number.

Program:- public class Main {

public static void main(String[] args) {

int number = 60;

System.out.print("Factors of " + number + " are: ");

for (int i = 1; i <= number; ++i) {

if (number % i == 0) {

System.out.print(i + " ");

}

}

}

}

Output:-