**B.Shashank Srinivas**

**Vowels and consonants in java.**

public class VowelConsonant {

public static void main(String[] args) {

char ch = 'a';

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 a Vowel");

}

else {

System.out.println(ch + " is a Consonant");

}

}

}

**find qoutent and remainder.**

public class QuotientAndRemainder {

public static void main(String[] args)

{

int dividend = 556, divisor = 9;

int quotient = dividend / divisor;

int remainder = dividend % divisor;

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

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

}

}

**Simple interst.**

class SimpleInterst {

public static void main(String args[])

{

float P = 100, R = 1, T = 1;

float SI = (P \* T \* R) / 100;

System.out.println("Simple interest = " + SI);

}

}

**power of a number.**

public 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("Result: " + result);

}

}

**String palindrome.**

public class Palindrome {

public static void main(String[] args) {

String str = "madam";

String reverse = new StringBuilder(str).reverse().toString();

String palindrome = str + reverse.substring(1);

System.out.println("Palindrome String: " + palindrome);

}

}

**Fibonacci Series**.

class Fibonacii {

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 + ", ");

// compute the next term

int nextTerm = firstTerm + secondTerm;

firstTerm = secondTerm;

secondTerm = nextTerm;

}

}

}