Code : 1  
package Topic\_01\_GettingStartedBasics;

import java.util.Scanner;

public class A\_IsANumberPrime\_1 {

public static void main(String[] args) {

Scanner scn = new Scanner(System.in);

int t = scn.nextInt();

for (int i = 0; i < t; i++) {

CheckPrimeWithDisplay(scn.nextInt());

}

}

static void CheckPrimeWithDisplay(int number) {

int flag = 0;

for (int i = 2; i < number; i++) {

if (number % i == 0) {

flag = 1;

break;

}

}

if (flag == 0) {

System.out.println("prime");

} else {

System.out.println("not prime");

}

}

}

Code : 2  
package Topic\_01\_GettingStartedBasics;

import java.util.\*;

public class B\_PrintAllPrimesTillN\_2 {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

int low = s.nextInt();

int high = s.nextInt();

PrintPrimeNumbersBetweenRange(low, high);

}

static void PrintPrimeNumbersBetweenRange(int low, int high) {

for (int i = low; i <= high; i++) {

int flag = CheckPrime(i);

if (flag == 0)

System.out.println(i);

}

}

static int CheckPrime(int number) {

int isPrime = 0;

for (int i = 2; i\*i <= number; i++) {

if (number % i == 0) {

isPrime = 1;

break;

}

}

return isPrime;

}

}

Code : 3  
package Topic\_01\_GettingStartedBasics;

import java.util.\*;

public class C\_PrintAllFibTillN\_3 {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

PrintFibonacciNumbersUptoValue\_N(s.nextInt());

}

static void PrintFibonacciNumbersUptoValue\_N(int n) {

int a = 0;

int b = 1;

int c = 0;

for (int i = 0; i < n; i++) {

System.out.println(a);

c = a + b;

a = b;

b = c;

}

}

}

Code : 4  
package Topic\_01\_GettingStartedBasics;

import java.util.Scanner;

public class D\_CountDigitsInANumber\_4 {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

int n =s.nextInt();

CountDigitsInANumber(n);

}

static void CountDigitsInANumber(int number) {

int c = 0;

while (number != 0) {

number = number / 10;

c++;

}

System.out.println(c);

}

}

Code : 5  
package Topic\_01\_GettingStartedBasics;

import java.util.\*;

public class E\_DisplayDigitOfANumber\_5 {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

int countDigits = countDigits(n);

int div = (int) Math.pow(10, countDigits - 1);

while (div != 0) {

int q = n / div;

System.out.println(q);

n = n % div;

div = div / 10;

}

}

static int countDigits(int n) {

int count = 0;

while (n != 0) {

n = n / 10;

count++;

}

return count;

}

}

Code : 6  
package Topic\_01\_GettingStartedBasics;

import java.util.Scanner;

public class E\_InverseOfANumber {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

int number = s.nextInt();

System.out.println(inverse\_of\_a\_number(number));

}

static int inverse\_of\_a\_number(int number) {

int count = 1;

int rem;

int ans = 0;

while (number != 0) {

rem = number % 10;

number = number / 10;

ans = ans + count \* ((int) Math.pow(10, rem - 1));

count++;

}

return ans;

}

}

Code : 7  
package Topic\_01\_GettingStartedBasics;

import java.util.Scanner;

public class F\_ReverseOfANumber\_6 {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

int n = s.nextInt();

ReverseNumber(n);

}

static void ReverseNumber(int n) {

int temp = 0;

while (n != 0) {

temp = n % 10;

System.out.println(temp);

n = n / 10;

}

}

}

Code : 8  
package Topic\_01\_GettingStartedBasics;

import java.util.Scanner;

public class F\_RotateANumber {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

int number = s.nextInt();

int howMuchToRotate = s.nextInt();

rotateANumber(number, howMuchToRotate);

}

static void rotateANumber(int n, int howMuchToRotate) {

int nod = countDigits(n);

int k = howMuchToRotate;

k = k % nod;

if (k < 0) {

k = k + nod;

}

int div = (int) Math.pow(10, k);

int mult = (int) Math.pow(10, nod - k);

int q = n / div;

int r = n % div;

int ans = r \* mult + q;

System.out.println(ans);

}

static int countDigits(int number) {

int c = 0;

while (number != 0) {

number = number / 10;

c++;

}

return c;

}

}

Code : 9  
package Topic\_01\_GettingStartedBasics;

import java.util.\*;

public class G\_GCDAndLCM {

public static void main(String[] args){

Scanner scn = new Scanner(System.in);

int n1 = scn.nextInt();

int n2 = scn.nextInt();

int temp1 = n1;

int temp2 = n2;

while(temp1 % temp2 != 0){

int rem = temp1 % temp2;

temp1 = temp2;

temp2 = rem;

}

int gcd = temp2;

int lcm = (n1 \* n2) / gcd;

System.out.println(gcd);

System.out.println(lcm);

}

}

Code : 10  
package Topic\_01\_GettingStartedBasics;

import java.util.\*;

public class H\_PrimeFactorisationOfANumber {

public static void main(String[] args){

Scanner scn = new Scanner(System.in);

int n = scn.nextInt();

for(int div = 2; div \* div <= n; div++){

while(n % div == 0){

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

n = n / div;

}

}

if(n > 1){

System.out.print(n);

}

}

}

Code : 11  
package Topic\_01\_GettingStartedBasics;

import java.util.\*;

public class I\_CaseOfBenjaminBulb {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

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

System.out.println(i \* i);

}

}

}

Code : 12  
package Topic\_01\_GettingStartedBasics;

import java.util.\*;

public class J\_PythagoreanTriplet {

public static void main(String[] args) {

// write your code here

Scanner scn = new Scanner(System.in);

int a = scn.nextInt();

int b = scn.nextInt();

int c = scn.nextInt();

int max = a;

max = b > max ? b : a;

max = c > max ? c : a;

if (max == a) {

if ((a \* a) == (b \* b) + (c \* c)) {

System.out.println(true);

} else {

System.out.println(false);

}

} else if (max == b) {

if ((b \* b) == (a \* a) + (c \* c)) {

System.out.println(true);

} else {

System.out.println(false);

}

} else {

if ((c \* c) == (b \* b) + (a \* a)) {

System.out.println(true);

} else {

System.out.println(false);

}

}

}

}