1:FLIP COIN

package com.bridgelabz.basicprograms;

import java.util.scanner;

public class CoinFlip {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println(“Enter the number of times Flip the COIN\*”);

Int n = sc.nextInt();

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

if(Math.random()<0.5){

head++;

}else{

tail++;

}

}

int hper = (head\*100)/n;

int hper = (tail\*100)/n;

System.out.println(“Head Percentage==>>”+hper+”%”);

System.out.println(“Tail Percentage==>>”+hper+”%”);

System.out.println(“HEADS ==>> “+head);

System.out.println(“TAILS ==>> “+tail);

}

}

2:LEAP YEAR

package com.bridgelab.basicprograms;

Public class LeapYear {

Public static void main(String[] args) {

Int year = 2000;

If (year % 400 == 0) {

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

} else if (year % 100 == 0) {

System.out.println(year + “ is not leap year. “);

} else if (year $ % 4 == 0) {

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

} else { System.out.println(year + “ is not a leap year. “ );

}

}

}

3:POWER OF TWO

package com.bridgelab.basicprogams;

Import java.util.scanner;

Public class PowerOfTwo {

Public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println(“Enter the value of n”);

Int n = sc.nextInt();

If(n > 0 && n < 32) {

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

System.out.println(i+” “ +Math.pow(2, i));

}

}else{

System.out.println(“overflow”);

}

Sc.close();

}

}

4:HAMONIC NUMBER

package com.bridgelabz.basicprograms;

public class HarmonicNumber {

public static void main(String[] args) {

double n = 20, I;

double sum = 0;

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

{

Sum = sum + (1/i);

}

System.out.println(“Harmonic value = “+ sum);

}

}

5:FACTORS

package com.bridgelabz.basicprograms;

impot java.util.scanner;

public class PrimeFactors {

public static void main(String[] args) {

int number;

Scanner sc = new Scanner(System.in);

System.out.println(“Enter a number :: “);

number = sc.nextInt();

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

while(number % I == 0) {

System.out.println(i+ “ “);

number = number/i;

}

}

If(number > 2) {

System.out.println(number);

}

}

}

6:REMAINDER AND QUOTIENT

package com.bridgelabz.basicprograms;

public class RemainderQuotient {

public static void main(String[] args) {

int dividend = 62, divisor = 4;

int quotient = dividend / divisor;

int remainder = dividend % divisor;

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

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

}

}

9:ALPHABET IS VOVEL OR CONSONANT

package com.bridgelabz.basicprograms;

public class Vowel {

public static void main(String[] args) {

char ch = ‘g’;

switch (ch) {

case ‘a’:

case ‘e’:

case ‘i’:

case ‘o’:

case ‘u’:

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

‘ break;

default:

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

}

}

}

10:LAGEST AMONG THREE NUMBERS

package com.bridgelabz.basicprograms;

public class LargestNum {

public static void main(String[] args) {

double n1 = 5, n2 = 28, n3 = 20;

if(n1 >= n2) {

if(n1 >= n3)

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

else

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

} else {

if (n2 >= n3)

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

else

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

}

}

}