``````````````````````````````````````````````````````

Package com.dollystudio;

Import java.util.Date;

Public class Main{

Public static viod main(String [] args){

Date now = new Date();

System.out.println(now)

}

}

// this will print a current date of your computer

STRINGS2

Package com.dollystudio;

Public class Main{

Public static void main (String [] args){

String message =”hello it is me Nicholas”;

System.out.println(message);

}

}

Checking the length of string

Package com. Dollystudio;

Public class Main {

Public static void main(String [] args){

String message =”hello it is me Nicholas “;

System.out.println(message.length());

}

}

// replacing a character

Package com.dollystudio;

Public class Main{

Public static void main(String [] args){

String message =”hello it is me Nicholas “;

System.out.println(message.replace(target:”Nicholas”, replacement:”Sheila”))

}

}

// output: hello it is me Watera

ARRAYS

Package com.dollystudio;

Import java.util.Arrays;

Public class main{

Public static void main(String[] args){

Int[] numbers = new int[5];

numbers[0] = 1;

numbers[1] =2;

System.out.println(Arrays.toString(numbers));

}

}

NEW WAY TO INITALISE A ARRAY

Package com.dollystudio;

Import java.util.Arrays;

Public class Main{

Public static void main( String [] args){

Int[] numbers={2,3,4,6,78,8,9,10};

System.out.println(numbers.length);

System.out.println(Arrays.toString(numbers));

}

}

// sorting Array

Package com.dollystudio;

Import java.util.Arrays;

Public class Main{

Public statics void main(String [] args){

Int[] numbers = { 1,2, 5,3,4};

Arrays.sort(numbers);

System.out.println(Arrays.toString(numbers));

}  
}

//output: 1 23 4 5

Playing with muti dimension Arrays

Package com. Dollystudio;

import java.util.Arrays;

public class Main{\

public static void main(String [] args){

//creating 2 by 3 martixs

int[] [] numbers = new int [2][3];

numbers[0][0] = 1;

System.out.println(Arrays.deepToString(numbers));

}

}

//output: [1,0,0],[0,0,0]

Using new method of array in muti Arrays

Package com.dollystudio;

Import java.util.Arrays;

Public class Main{

Public static void main(String [] args){

Int[][] numbers ={{1,2,4}{2,3,5}};

System.out.println(Arrays.deepToString(numbers));

}

}

// output: p[[1, 2,3],[4,5,6]]

Dealing math

Package com.dollystudio;

Public class Main{

Public static void (String [] args){

Int numbers =10+3;

System.out.println(numbers);

}

}

// output:13

MATH

Rounding off :

Package com.dollystudio;

Public class Main{

Public static void main(String [] args){

Int result = Math.round(1.1F);

System.out.println(result);

}

}

TEXT NUMBER FORMAT

Package com.dollystudio;

Import java.text.NumberFormat;

Public class Main{

Public static void main(String [] args){

NumberFormat currency = new NumberFormat.getCurrencyInstance();

String result = Currency.format(number:123456.891)

System.out.println(result);

}

}

GETTING USER INPUT

Package com.dollystudio;

Import java.util.Scanner;

Public class Main{

Public static void main(String [] args){

Scanner scanner = new Scanner (System.in);

System.out.print(“Age: “);

Byte age = scanner.nextByte();

System.out.println(“You are” + age);

}

}

//

Package com.dollystudio;

Public class Main{

Public static void main(String [] args){

Scanner scanner = new Scanner(System.in);

System.out.print(“Name: “);

String name = scanner.nextLine();

System.out.println(“You are “ + name);

}

}

//

Package com.dollystdio;

Import java.text.NumberFormat;

Import java.util.Scanner;

Public class Main{

Public static void main (String [] args){

Final btye MONTHS\_IN\_YEAR = 12;

Final btye PERCENT = 100;

Scanner scanner = new Scanner (System.in);

System.out.print(“Principal:”);

Int principal = scanner.nextInt();

System.out.print(“Annual Interest rate: “);

Float annualInterest = scanner.nextFloat();

Float monthlyInterest = annualInterest /PERCENT/MONTHS\_IN\_YEAR;

System.out.print(“period (Years): “);

Byte years = scanner.nextByte();

Int numberOfPayments = years\*MONTHS\_IN\_YEAR;

Double mortgage = principal

\*(monthlyInterest\* Math.pow(1+ monthlyInterest, numberOfPayments +)

/(Math.pow(1+monthlyInterset, numberOfPayment) – 1);

String mortgageFormatted = NumberFormat.getCurrencyInstance().format(mortagage);

System.out.println(“Mortgage:” + mortgageFormatted);

}

}

Comparisition statement

Package com.dollystudio;

Public class Main{

Public static void main(String [] args){

Int temp = 32;

If(temp > 30){

System.out.println(“It is hot day, drink a lot of water”);

} else if(temp > 20 && temp <=30){

System.out.println(“it is nice day”);

} else {

System.ot.println(“cold day”);

}

}

}

}

}

SWITCH STATEMENT

Package com.dollystudio;

Public class Main{

Public static void main(String [] args){

String role =”admin”;

Switch (role){

Case “admin”:

System.out.println(“you are admin”);

Break;

Case “moderator”:

System.out.println(“you are a moderator”);

Break;

Default:

}

}

Package com.dollystudio;

Import java.util.Scanner;

Public class Main{

Public static void main(String [] args){

Scanner scanner = new Scanner(system.in);

System.out.print(“Number: ”);

Int number = scanner.nextInt();

If (number %5==0)

System.out.println(“Fizz”);

Else if (number %3 ==0)

System.out.println(“Buzz”);

Else if (number %5 ==0 && number %3==-0);

System.out.println(“FizzBuzz”);

Else

System.out.println(number);

}

}

For loop

Package com.dollystudio;

Public class Main{

Public static void main(String [] args){

For (int i = 0; i<5; i++)

System.out.println(“hello world”);

}

}

**Program to output what ever you are inputin until wen u type in quit with while**Package com.dollystudio;

Import java.util.Scanner;

Public class Main{

Public static void main(String [] args){

Scanner scanner = new Scanner(System.in);

String input =””;

While (!input.equals(“quit”)){

System.out.print(“Input”);

Input = scanner.next().toLowerCase();

If(!input.equals(“quit”))

System.out.println(input);

}

}

**Program to output what ever you are inputin until wen u type in quit with do…while**

Package com.dollystudio;

Import java.util.Scanner;

Public class Main{

Public static void main(String [] args){

Scanner scanner = new Scanner(System.in);

String input =””;

do{

System.out.print(“Input”);

Input = scanner.next().toLowerCase();

System.out.println

} while (!input.equals(“quit”));

}

}