//print age

public class Main{

public static void main(String[] args){

int age;

age = 21;

System.out.println("I am " +age+ " years old.");

}

}

//symbol not print

public class Main{

public static void main(String[] args){

char copyrightSymbol = '\u00A9';

System.out.println("This is the copyright symbol: " + copyrightSymbol);

}

}

//print int

public class Main{

public static void main(String[] args){

int number1= 6;

double number2= number1;

System.out.println(number2);

}

}

// print double

public class Main{

public static void main(String[] args){

double number1= 6.7;

int number2=(int)number1;

System.out.println(number2);

}

}

//arithmetic operator

public class Main{

public static void main(String[] args){

int num1 = 8;

int num2 = 4;

System.out.println(num1 + num2);

System.out.println(num1 - num2);

System.out.println(num1 \* num2);

System.out.println(num1 / num2);

System.out.println(num1 % num2);

}

}

// assign operator +=

public class Main{

public static void main(String[] args){

int num = 8;

//num = num + 5;

num += 5;

System.out.println(num);

}

}

// -=

public class Main{

public static void main(String[] args){

int num = 8;

//num = num + 5;

num -= 5;

System.out.println(num);

}

}

//comparison operator

public class Main{

public static void main(String[] args){

int num1 = 10;

int num2 = 2;

System.out.println(num1 == num2);

System.out.println(num1 != num2);

System.out.println(num1 > num2);

System.out.println(num1 >= num2);

System.out.println(num1 < num2);

System.out.println(num1 <= num2);

}

}

//logical operator

//And

public class Main{

public static void main(String[] args){

int age = 25;

//age >=18

//age <=40

System.out.println(age >=18 && age <=40);

}

}

//OR operator

public class Main{

public static void main(String[] args){

boolean isStuden = false;

boolean isLibraryMember = false;

System.out.println(isStuden || isLibraryMember);

}

}

//Not operator

public class Main{

public static void main(String[] args){

boolean isStuden = false;

System.out.println(!isStuden);

}

}

// ++ & --

public class MyClass {

public static void main(String args[]) {

int score = 3;

int turns = 5;

score++;

turns--;

System.out.println(score);

System.out.println(turns);

}

}

// ++

public class MyClass {

public static void main(String args[]) {

int num = 45;

System.out.println(num++);

System.out.println(num);

}

}

//-- o/p: 45 44

// num++

public class MyClass {

public static void main(String args[]) {

int num = 45;

num++;

System.out.println(num);

}

}

// string

public class MyClass {

public static void main(String args[]) {

String name= "Abuzar patel";

System.out.println(name);

}

}

// new String

public class MyClass {

public static void main(String args[]) {

//String name= "Abuzar patel";

String name = new String("Abuzar");

System.out.println(name);

}

}

// string object

public class MyClass {

public static void main(String args[]) {

String literalString1 = "abc";

String literalString2 = "abc";

String objectString1 = new String("xyz");

String objectString2 = new String("xyz");

System.out.println(literalString1 == literalString2);

System.out.println(objectString1 == objectString2);

}

}

// name & age print

public class MyClass {

public static void main(String args[]) {

System.out.println("Hello world! I am Abuzar. I am from panvel and I am 20 years old. ");

}

}

// n a c

public class MyClass {

public static void main(String args[]) {

String name = "Abuzar";

String city = " Panvel";

int age = 21;

System.out.println("Hello world! I am " + name + ". I am from " + city + " and I am " + age + " years old. ");

}

}

// % s & d used

public class MyClass {

public static void main(String args[]) {

String name = "Abuzar";

String city = " Panvel";

int age = 21;

String formattedString = String.format("My name is %s. I am from %s. I am %d years old.", name, city, age);

System.out.println(formattedString);

//System.out.println("Hello world! I am " + name + ". I am from " + city + " and I am " + age + " years old. ");

}

}

// length

public class MyClass {

public static void main(String args[]) {

String name= "Abuzar patel";

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

}

}

//isEmpty

public class MyClass {

public static void main(String args[]) {

String name= "Abuzar patel";

System.out.println(name.isEmpty());

}

}

//toUpperCase

public class MyClass {

public static void main(String args[]) {

String name= "Abuzar patel";

System.out.println(name.toUpperCase());

}

}

//toLowerCase

public class MyClass {

public static void main(String args[]) {

String name= "Abuzar patel";

System.out.println(name.toLowerCase());

}

}

//equals

public class MyClass {

public static void main(String args[]) {

String str1 = new String("abc");

String str2 = new String("abc");

System.out.println(str1.equals(str2));

}

}

//equalsIgnoreCase

public class MyClass {

public static void main(String args[]) {

String str1 = new String("abc");

String str2 = new String("abc");

System.out.println(str1.equals(str2));

}

}

//replace

public class MyClass {

public static void main(String args[]) {

String text = "Abuzar shaikh.";

System.out.println(text.replace("shaikh", "patel"));

}

}

//updateString

public class MyClass {

public static void main(String args[]) {

String string = "Abuzar shaikh.";

String updatedString = string.replace("shaikh", "patel");

System.out.println(updatedString);

}

}

//contains

public class MyClass {

public static void main(String args[]) {

String string = "Abuzar shaikh.";

System.out.println(string.contains("w3School"));

}

}

//Scanner

import java.util.Scanner;

public class MyClass {

public static void main(String args[]) {

Scanner scanner = new Scanner(System.in);

System.out.print("What is your name? ");

String name = scanner.nextLine();

System.out.println(name);

scanner.close();

}

}

// scanner %s used

import java.util.Scanner;

public class MyClass {

public static void main(String args[]) {

Scanner scanner = new Scanner(System.in);

System.out.print("What is your name? ");

String name = scanner.nextLine();

System.out.printf("Hello %s. How are you?", name);

scanner.close();

}

}

//Scanner name & age used f

import java.util.Scanner;

public class MyClass {

public static void main(String args[]) {

Scanner scanner = new Scanner(System.in);

System.out.print("What is your name? ");

String name = scanner.nextLine();

System.out.printf("Hello %s. How old are you?", name);

int age = scanner.nextInt();

System.out.printf(" %d is an excellent age to start programming.", age);

scanner.close();

}

}

//Scanner language

import java.util.Scanner;

public class MyClass {

public static void main(String args[]) {

Scanner scanner = new Scanner(System.in);

System.out.print("What is your name? ");

String name = scanner.nextLine();

System.out.printf("Hello %s. How old are you?", name);

int age = scanner.nextInt();

// clean up the input buffer

scanner.nextLine();

System.out.printf(" %d is an excellent age to start programming. What language do you prefer? ", age);

String language = scanner.nextLine();

System.out.printf("%s is a very popular programming language.", language);

scanner.close();

}

}

//conditional statement

// scanner double number

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the first number: ");

double number1 = scanner.nextDouble();

System.out.print("Enter the second number: ");

double number2 = scanner.nextDouble();

System.out.println(number1);

System.out.println(number2);

}

}

// if else

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the first number: ");

double number1 = scanner.nextDouble();

scanner.nextLine();

System.out.print("Enter the second number: ");

double number2 = scanner.nextDouble();

scanner.nextLine();

System.out.print("What operator do you want to perform? ");

String operation = scanner.nextLine();

if(operation.equals("sum")){

System.out.printf("%f + %f = %f", number1, number2, number1 + number2);

}

else if (operation.equals("sub")){

System.out.printf("%f - %f = %f", number1, number2,

number1 - number2);

}

else {

System.out.printf(" %s is not a supported operation. ", operation);

}

scanner.close();

}

}

// math calculation

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the first number: ");

double number1 = scanner.nextDouble();

scanner.nextLine();

System.out.print("Enter the second number: ");

double number2 = scanner.nextDouble();

scanner.nextLine();

System.out.print("What operator do you want to perform? ");

String operation = scanner.nextLine();

if(operation.equals("sum")){

System.out.printf("%f + %f = %f", number1, number2, number1 + number2);

}

else if (operation.equals("sub")){

System.out.printf("%f - %f = %f", number1, number2,

number1 - number2);

}

else if (operation.equals("mul")){

System.out.printf("%f \* %f = %f", number1, number2,

number1 \* number2);

}

else if (operation.equals("div")){

if (number2 == 0){

System.out.println("Can not divided by zero.");

}else{

System.out.printf("%f / %f = %f", number1, number2,

number1 / number2);

}

}

else {

System.out.printf(" %s is not a supported operation. ", operation);

}

scanner.close();

}

}

// switch

import java.util.Scanner;

public class MyClass {

public static void main(String args[]) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the first number: ");

double number1 = scanner.nextDouble();

scanner.nextLine();

System.out.print("Enter the second number: ");

double number2 = scanner.nextDouble();

scanner.nextLine();

System.out.print("What operator do you want to perform? ");

String operation = scanner.nextLine();

switch (operation) {

case "sum":

System.out.printf("%f + %f = %f", number1, number2, number1 + number2);

break;

case "sub":

System.out.printf("%f - %f = %f", number1, number2, number1 - number2);

break;

case "mul":

System.out.printf("%f \* %f = %f", number1, number2, number1 \* number2);

break;

case "div":

if(number2== 0){

System.out.println("Can not divided by zero.");

}else{

System.out.printf("%f / %f = %f", number1, number2, number1 / number2);

}

break;

default:

System.out.printf(" %s is not a supported operation. ", operation);

}

}

}

//array vowels

public class MyClass{

public static void main(String[] args){

char vowels[] = new char[5];

vowels[0] = 'a';

vowels[1] = 'e';

vowels[2] = 'i';

vowels[3] = 'o';

vowels[4] = 'u';

System.out.println(vowels[2]);

}

}

//toString array

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

char vowels[] = new char[5];

vowels[0] = 'a';

vowels[1] = 'e';

vowels[2] = 'i';

vowels[3] = 'o';

vowels[4] = 'u';

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

}

}

//vowels x

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

char vowels[] = {'a','e','i','o','u'};

vowels[2] = 'x';

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

}

}

// array length

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

char vowels[] = {'a','e','i','o','u'};

System.out.println(vowels.length);

}

}

//array sort

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

char vowels[] = {'e','a','i','u','o'};

Arrays.sort(vowels);

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

}

}

//start and end index

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

char vowels[] = {'e','a','i','u','o'};

int startingIndex = 1;

int endingIndex = 4;

Arrays.sort(vowels, startingIndex, endingIndex);

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

}

}

//binary search

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

char vowels[] = {'e','a','i','u','o'};

int startingIndex = 1;

int endingIndex = 4;

Arrays.sort(vowels, startingIndex, endingIndex);

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

}

}

//end & start binary search

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

char vowels[] = {'e','u','a','o','i'};

Arrays.sort(vowels);

int startingIndex = 1;

int endingIndex = 4;

char key ='o';

int foundItemIndex = Arrays.binarySearch(vowels, startingIndex, endingIndex, key);

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

System.out.println(foundItemIndex);

}

}

// char x

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

char vowels[] = {'e','u','a','o','i'};

Arrays.sort(vowels);

char key ='x';

int foundItemIndex = Arrays.binarySearch(vowels, key);

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

System.out.println(foundItemIndex);

}

}

// key b

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

char vowels[] = {'e','u','a','o','i'};

Arrays.sort(vowels);

char key ='b';

int foundItemIndex = Arrays.binarySearch(vowels, key);

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

System.out.println(foundItemIndex);

}

}

// array fill x

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

char vowels[] = {'e','u','a','o','i'};

Arrays.fill(vowels, 'x');

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

}

}

// array start end fill

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

char vowels[] = {'e','u','a','o','i'};

int startingIndex = 1;

int endingIndex = 4;

Arrays.fill(vowels, startingIndex, endingIndex, 'x');

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

}

}

//array number & copyOfNumbers

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

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

int copyOfNumbers[] = numbers;

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

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

}

}

// arrays.fill 0

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

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

int copyOfNumbers[] = numbers;

Arrays.fill(numbers, 0);

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

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

}

}

//array ofcopy length

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

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

int copyOfNumbers[] = Arrays.copyOf(numbers, numbers.length);

Arrays.fill(numbers, 0);

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

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

}

}

//array ofcopy numbers 10

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

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

int copyOfNumbers[] = Arrays.copyOf(numbers, 10);

Arrays.fill(numbers, 0);

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

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

}

}

// copy numbers2

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

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

int copyOfNumbers[] = Arrays.copyOf(numbers, 2);

Arrays.fill(numbers, 0);

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

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

}

}

//copyOfRange

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

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

int startingIndex = 1;

int endingIndex=4;

int copyOfNumbers[] = Arrays.copyOfRange(numbers, startingIndex, endingIndex);

Arrays.fill(numbers, 0);

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

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

}

}

//copyOfRange 10

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

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

int startingIndex = 1;

int endingIndex=10;

int copyOfNumbers[] = Arrays.copyOfRange(numbers, startingIndex, endingIndex);

Arrays.fill(numbers, 0);

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

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

}

}

\*//copy of numbers

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

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

int copyOfNumbers[] = Arrays.copyOf(numbers, numbers.length);

System.out.println(numbers == copyOfNumbers);

}

} o/p: false

\*//copy of numbers

import java.util.Arrays;

public class MyClass{

public static void main(String[] args){

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

int copyOfNumbers[] = Arrays.copyOf(numbers, numbers.length);

System.out.println(Arrays.equals(numbers, copyOfNumbers));

}

} o/p:true

//LOOPS

//for

public class MyClass{

public static void main(String[] args){

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

System.out.println(number);

}

}

}

// for loop in array

public class MyClass{

public static void main(String[] args){

int numbers[] = {1,2,3,4,5,6,7,8,9,10};

for (int index = 0; index < numbers.length; index++){

System.out.println(numbers[index]);

}

}

}

//for loop sum

public class MyClass{

public static void main(String[] args){

int numbers[] = {1,2,3,4,5,6,7,8,9,10};

int sum = 0;

for (int index = 0; index < numbers.length; index++){

sum += numbers[index];

}

System.out.println(sum);

}

}

//for loop multiply

public class MyClass{

public static void main(String[] args){

int numbers = 5;

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

System.out.printf("%d X %d = %d \n", numbers, multiply, numbers \* multiply);

}

}

}

// for loop table

public class MyClass{

public static void main(String[] args){

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

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

System.out.printf("%d X %d = %d \n", number, multiply, number \* multiply);

}

}

}

}

// for loop all table

public class MyClass{

public static void main(String[] args){

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

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

System.out.printf("%d X %d = %d \n", number, multiply, number \* multiply);sssssss

}

}

}

}

// for loop 2%

public  class Main {

    public static void main(String[] args){

        for ( int number = 1; number <=50; number++){

            if ( number % 2 == 1){

                System.out.println(number);

            }

        }

    }

}

//for loop array 5 number

public class Main{

public static void main(String[] args){

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

for(int number : numbers){

System.out.println(number);

}

}

}

// for loop array 5 number sum

public class Main{

public static void main(String[] args){

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

int sum = 0;

for(int number : numbers){

sum += number;

}

System.out.println(sum);

}

}

// while loop

public class Main{

public static void main(String[] args){

int number = 5;

int multiplier = 1;

while (multiplier <= 10){

System.out.printf("%d X %d = %d \n", number, multiplier, number \* multiplier);

multiplier++;

}

}

}

// do while

public class Main{

public static void main(String[] args){

int number = 5;

int multiplier = 1;

do{

System.out.printf("%d X %d = %d \n", number, multiplier, number \* multiplier);

multiplier++;

}while (multiplier <= 10);

}

}

//ArrayList

//toString

import java.util.ArrayList;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(1);

numbers.add(2);

numbers.add(3);

numbers.add(4);

numbers.add(5);

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

}

}

//get(2)

import java.util.ArrayList;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(1);

numbers.add(2);

numbers.add(3);

numbers.add(4);

numbers.add(5);

System.out.println(numbers.get(2));

}

}

//remove number

import java.util.ArrayList;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(1);

numbers.add(2);

numbers.add(3);

numbers.add(4);

numbers.add(5);

numbers.remove(2);

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

}

}

//remove integer value

import java.util.ArrayList;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(1);

numbers.add(2);

numbers.add(3);

numbers.add(4);

numbers.add(5);

numbers.remove(Integer.valueOf(4));

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

}

}

//number clear

import java.util.ArrayList;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(1);

numbers.add(2);

numbers.add(3);

numbers.add(4);

numbers.add(5);

numbers.clear();

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

}

}

//number set

import java.util.ArrayList;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(1);

numbers.add(2);

numbers.add(3);

numbers.add(4);

numbers.add(5);

numbers.set(2, Integer.valueOf(40));

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

}

}

\*// sort-natural order

import java.util.ArrayList;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(5);

numbers.add(1);

numbers.add(3);

numbers.add(4);

numbers.add(2);

numbers.sort(Comparator.naturalOrder());

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

}

}

//reversOrder

import java.util.ArrayList;

import java.util.Comparator;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(5);

numbers.add(1);

numbers.add(3);

numbers.add(4);

numbers.add(2);

numbers.sort(Comparator.reverseOrder());

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

}

}

//size

import java.util.ArrayList;

import java.util.Comparator;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(5);

numbers.add(1);

numbers.add(3);

numbers.add(4);

numbers.add(2);

System.out.println(numbers.size());

}

}

//contains

import java.util.ArrayList;

import java.util.Comparator;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(5);

numbers.add(1);

numbers.add(3);

numbers.add(4);

numbers.add(2);

System.out.println(numbers.contains(Integer.valueOf(1)));

}

}

// isEmpty

import java.util.ArrayList;

import java.util.Comparator;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(5);

numbers.add(1);

numbers.add(3);

numbers.add(4);

numbers.add(2);

System.out.println(numbers.isEmpty());

}

}

//numbers clear

import java.util.ArrayList;

import java.util.Comparator;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(5);

numbers.add(1);

numbers.add(3);

numbers.add(4);

numbers.add(2);

numbers.clear();

System.out.println(numbers.isEmpty());

}

}

//forEach

import java.util.ArrayList;

import java.util.Comparator;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(5);

numbers.add(1);

numbers.add(3);

numbers.add(4);

numbers.add(2);

numbers.forEach(number ->{

System.out.println(number \* 2);

});

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

}

}

// forEach before and after

import java.util.ArrayList;

import java.util.Comparator;

public class Main{

public static void main(String[] args){

ArrayList<Integer> numbers = new ArrayList<Integer>();

numbers.add(5);

numbers.add(1);

numbers.add(3);

numbers.add(4);

numbers.add(2);

System.out.println("before: " + numbers.toString());

numbers.forEach(number ->{

numbers.set(numbers.indexOf(number), number \* 2);

});

System.out.println("after: " + numbers.toString());

}

}

// HashMap

// print put number

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

System.out.println(examScores.toString());

}

}

//exam scores toString

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

System.out.println(examScores.toString());

}

}

//get

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

System.out.println(examScores.get("English"));

}

}

\*//put if absents

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

examScores.putIfAbsent("Math", 70);

System.out.println(examScores.toString());

}

}

//replace

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

examScores.replace("Math", 70);

System.out.println(examScores.toString());

}

}

//religion

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

System.out.println(examScores.get("Religion"));

}

} 0-----null

//getOrDefault religion -1

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

System.out.println(examScores.getOrDefault("Religion", -1));

}

}

//clear

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

examScores.clear();

System.out.println(examScores.toString());

}

}

//size

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

System.out.println(examScores.size());

}

}

//remove

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

examScores.remove("IT");

System.out.println(examScores.toString());

}

}

//contains value

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

examScores.remove("IT");

System.out.println(examScores.containsValue(100));

}

}

//is empty

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

examScores.remove("IT");

System.out.println(examScores.isEmpty());

}

}

// for each sub and score

import java.util.HashMap;

public class Main{

public static void main(String[] args){

HashMap<String, Integer> examScores = new HashMap<String, Integer>();

examScores.put("Math", 75);

examScores.put("Sociology", 85);

examScores.put("English", 95);

examScores.put("Hindi", 100);

examScores.put("IT", 100);

examScores.forEach((subject, score) ->{

System.out.println(subject + " - " + score);

});

}

}

//