public class Calculaor {

static int add(int a, int b) {

return a + b;

}

static int substract(int a, int b) {

return a - b;

}

static int multiply(int a, int b) {

return a \* b;

}

static int divide(int a, int b) {

return a / b;

}

public static void main(String[] args) {

int x = 10;

int y = 5;

System.out.println("Main started");

System.out.println("Sum of two number is: " + add(x, y));

System.out.println("Difference of two number is: " + substract(x, y));

System.out.println("Product of two number is: " + multiply(x, y));

System.out.println("Division of two number is: " + divide(x, y));

System.out.println("Mian ended");

}

}

TASK 6

public class CompareNumbers {

public static void main(String[] args) {

int A = 10;

int B = 5;

String result = (A > B) ? "A is greater than B" : "B is greater than or equal to A";

System.out.println(result);

}

}

|||| output|||

A is greater than B

Task 7

import java.util.Scanner;

public class Userlogin {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

System.out.print("huzaifa: ");

String loginID = input.nextLine();

System.out.print("Enter your password: ");

String password = input.nextLine();

String maskedPassword = "-".repeat(password.length());

System.out.println("Hi, your login ID is " + loginID + " and your password is " + maskedPassword + ".");

input.close();

}

OUTPUT || huzaifa: ||

Task 8: write a progam to create class cusotmer & call customer method

public class CustomerCall {

void accept() {

System.out.println("Accept CustomerCall");

}

void display() {

System.out.println("Display CustomerCall");

}

}

public class Test8 {

public static void main(String[] args) {

CustomerCall customer = new CustomerCall();

customer.accept();

customer.display();

System.out.println("CustomerCall");

}

}

Task 9: WAP to check greater of 2 numbers

public class CompareTwoNumbers {

public static void main(String[] args) {

int num1 = 10;

int num2 = 5;

if (num1 > num2) {

System.out.println("num1 is greater");

} else {

System.out.println("num2 is greater");

}

}

}

Task 10: Wap to check the greater of 3 numnbers:

public class LargestOfThree {

public static void main(String[] args) {

int num1 = 15;

int num2 = 25;

int num3 = 10;

if (num1 >= num2 && num1 >= num3) {

System.out.println("num1 is the greatest");

} else if (num2 >= num1 && num2 >= num3) {

System.out.println("num2 is the greatest");

} else {

System.out.println("num3 is the greatest");

}

}

}

\\\\ OUTput\\\\ num2 is the greatest

Task 11 WAP to if weekdays

import java.util.Scanner;

public class WeekdayChecker {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number (1 to 7); ");

int day = sc.nextInt();

if (day == 1) {

System.out.println("Sunday");

} else if (day == 2) {

System.out.println("Monday");

} else if (day == 3) {

System.out.println("Tuesday");

} else if (day == 4) {

System.out.println("Wednesday");

} else if (day == 5) {

System.out.println("Thursday");

} else if (day == 6) {

System.out.println("Friday");

} else if (day == 7) {

System.out.println("Saturday");

} else {

System.out.println("invalid input! Please enter a number between 1 and 7.");

}

sc.close();

}

}

output || Enter a number (1 to 7);

5

Thursday

Task 12: WAP to check login ID & password validation

import java.util.Scanner;

public class LoginValidation {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String correctLoginID = "Huzaifa";

String correctPassword = "12345678";

String enteredLoginID = "";

String enteredPassword = "";

While (true) {

System.out.print("Enter Login ID: ");

enteredLoginID = sc.nextLine();

System.out.print("Enter Password: ");

enteredPassword = sc.nextLine();

if (enteredLoginID.equals(correctLoginID) && enteredPassword.equals(correctPassword)) {

System.out.println("Login successfull!");

break;

} else {

System.out.println("Invalid Login ID or Password. Try again.\n");

}

}

sc.close();

}

}

Task 13 WAP that display numbers from 10 to 1 but skip 7 & 5

public class skipNumbers {

public static void main(String[] args) {

for (int i = 10; i >= 1; i--) {

if (i == 7 || i == 5) {

continue;

}

System.out.println(i);

}

}

}

OUTPUT| 10 9 8 6 4 3 2 1

Task 14 : ARRAYS

public class Demo01 {

public static void main(String[] args) {

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

System.out.println("Characters in arr");

for (int i = 0; i < arr.length; i++) {

System.out.println(arr[i] + " ");

}

System.out.println();

String[] names = {"Meena", "Tina", "Veena", "Heena"};

System.out.println("\nFrist name: " + names[0]);

names[1] = "Reena";

System.out.println("Updated second name; " + names[1]);

System.out.println("Total names: " + names.length);

System.out.println("Accessing index -1: " + names[-1]);

}

}

OutPUT

Characters in arr

a

e

i

o

u

Frist name: Meena

Updated second name; Reena

Total names: 4

ERROR!

Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: Index -1 out of bounds for length 4

TASK 15:

package stringhandling;

public class Demo01 {

public static void main(String[] args) {

String str1 = "Java String";

String str2 = new String("String");

String str3 = new String("are easy to learn");

char ch = str1.charAt(4);

String str4 = new String();

System.out.println("str1: " + str1);

System.out.println("str2: " + str2);

System.out.println("str3: " + str3);

System.out.println("Character at index 4 of str1: " + ch);

System.out.println("str4 (empty string): " + str4);

}

}

OUtput

str1: Java String

str2: String

str3: are easy to learn

Character at index 4 of str1:

str4 (empty string):

Task 16: Enums or Enumerations part of collection framework

package enumeration;

public enum Color {

RED, BLUE, GREEN, YELLOW;

}

package enumeration;

public class Demo01 {

public static void main(String[] args) {

Color c1 = Color.YELLOW;

System.out.println(c1);

}

}

Task 17: Getter and setter

WAP name person.java

public class Person {

private String name;

public String getName() {

return name;

}

public void setName(String newName) {

this.name = newName;

}

}

File 2: task17.java

public class Task17 {

public static void main(String[] args) {

Person myObject = new Person();

myObject.setName("john");

System.out.println(myObject.getName());

}

}