1. Write a simple program to print “We are software engineers” using Java.
2. public class Main {  
     
    public static void main(String[] args){  
    System.*out*.println("Hello world!");  
    System.*out*.println("We are Software Engineers");

}

}

1. Write a simple program to add two integer numbers.
2. public class Main {  
     
    public static void main(String[] args){  
    int a=2;  
    int b=3;  
    System.*out*.println(a+b);

}

}

3. Write a simple program to divide two numbers using the float data type.

public class Main {  
  
 public static void main(String[] args){  
   
  
 double t = 2.365;  
 double g = 55.59;  
 System.*out*.println("Answer is "+g/t);

}

}

4. Write a simple program to find whether 17676798769 is odd or even using the if-else

condition.

public class Main {  
  
 public static void main(String[] args){  
 long a = 17676798769L;  
  
 if( a%2 == 0){  
 System.*out*.println("This is an Even Number");  
 }  
 else {  
 System.*out*.println("This is an Odd Number");  
 }

}

}

5. Get two inputs from the user(terminal window), and find the minimum number.

Reading the number/string in you have to use a scanner

Scanner input = new Scanner(System.in);

int x = input.nextInt()//it will read the next integer which is user-inputted in a terminal

window

String s = input.next();// to read string

float y = input.nextFloat();// to read float

import java.util.Scanner;  
  
public class Example {  
 public static void main(String[] args){  
 Scanner input = new Scanner(System.*in*);  
 System.*out*.print("Enter first Number: ");  
 int x = input.nextInt();  
 System.*out*.print("Enter second Number: ");  
 int y = input.nextInt();  
  
 int Min = Math.*min*(x,y);  
 System.*out*.println("Answer is : "+Min);  
 }  
}

6. Write a Java program to get your favorite person's FirstName(String),

LastName(String), Age(int), Email, and IsMarried(Boolean). print it on the Java

terminal window. when you print a name use this format (FirstName LastName)

likewise.

Tip: to merge string

Method 1: System.out.println("Name: "+firstName+" "+ lastName);

Method 2: String.format("(%s %s)", firstName, lastName);

import java.util.Scanner;  
  
public class Example {  
 public static void main(String[] args){  
 Scanner input = new Scanner(System.*in*);  
  
 System.*out*.print("Enter First Name: ");  
 String f\_name = input.next();  
 System.*out*.print("Enter Last Name: ");  
 String L\_name = input.next();  
 System.*out*.print("Enter Your Age: ");  
 int age = input.nextInt();  
 System.*out*.print("Enter Your Email: ");  
 String email = input.next();  
 System.*out*.print("Are you Married: ");  
 boolean marry = input.nextBoolean();  
  
 System.*out*.print("Favourite Person's Information: \n"+"NAME: "+f\_name + L\_name+"\nAGE:"+age+"\nEMAIL:"+email+"\nIS MARRIED:"+marry);  
  
 }  
}

7. Create a String array, and get an array range(number of input elements) from the user. Get

the car names and store them on the String array

//Creating arrays in Java, by creating string objects and we can use it.

String[] inputs = new String[9];

// Creating Int Array;

int[] numbers = new int[9];

import java.util.Scanner;  
  
public class Example {  
 public static void main(String[] args){  
 Scanner input = new Scanner(System.*in*);  
  
 System.*out*.print("Enter a Number: ");  
 int n = input.nextInt();  
  
 String CarsArray[] = new String[n]; // allocating memory to array  
  
 for(int i =0 ; i < n ; i++){  
 System.*out*.printf("Enter %d element: ",i);  
 CarsArray[i] = input.next();  
 }  
 for(int i =0 ; i < n ; i++){  
  
 System.*out*.println(CarsArray[i]);  
  
 }  
 for(String a : CarsArray) {  
 System.*out*.println(a);  
 }  
 }  
}

8. Create a number array and arrange(sort) those numbers in descending order using bubble

sort.

import java.util.Scanner;  
  
public class Example {  
 public static void main(String[] args) {  
 Scanner input = new Scanner(System.*in*);  
  
 System.*out*.print("Enter a Number: ");  
 int n = input.nextInt();  
  
 int[] CarsArray = new int[n]; // allocating memory to array  
  
 for (int i =0 ; i< n ; i++){  
  
 System.*out*.printf("Enter the %d Element of the array: ",i+1);  
 CarsArray[i] = input.nextInt();  
 }  
  
 for (int i = 0; i < n; i++) {  
 for(int j = i+1 ; j < n ; j++){  
  
 if(CarsArray[i] < CarsArray[j]){  
 int temp = CarsArray[i];  
 CarsArray[i] = CarsArray[j];  
 CarsArray[j] = temp;  
 }  
 }  
 }  
  
 for (int i =0 ; i< n ; i++){  
 System.*out*.println(CarsArray[i]);  
 }  
 }  
}

9. Get Weekday from the user in a String format (Monday - Sunday) and print the day

number(int). Use a switch case.

Use this :- Monday - 1, Tuesday -2, ….Sunday - 7

String s=”Monday”;

switch(s){

case “Monday”:{}

default :{}

}

import java.util.Scanner;  
  
public class Example {  
 public static void main(String[] args) {  
  
 System.*out*.println("Enter a weekday :");  
 Scanner input = new Scanner(System.*in*);  
 String s = input.nextLine();  
 s = s.substring(0, 1).toUpperCase() + s.substring(1).toLowerCase();  
  
 switch (s){  
 case "Monday":  
 System.*out*.println(1);  
 break;  
  
 case "Tuesday":  
 System.*out*.println(2);  
 break;  
  
 case "Wednesday":  
 System.*out*.println(3);  
 break;  
  
 case "Thursday":  
 System.*out*.println(4);  
 break;  
  
 case "Friday":  
 System.*out*.println(5);  
 break;  
  
 case "Saturday":  
 System.*out*.println(6);  
 break;  
  
 case "Sunday":  
 System.*out*.println(7);  
 break;  
  
 default:  
 System.*out*.println("Wrong Answer!");  
 break;  
  
 }  
 }  
}

10. Print the current date time using the Java date library. follow the format “14-11-2023

17:47:54".

Tip : use java.time.LocalDateTime, java.time.format.DateTimeFormatter.

Pattern: "dd-MM-yyyy HH:mm:ss"

import java.time.LocalDateTime;  
  
import java.time.format.DateTimeFormatter;  
  
public class Example {  
  
 public static void main(String[] args) {  
  
 LocalDateTime current\_date = LocalDateTime.*now*();  
 DateTimeFormatter formatter = DateTimeFormatter.*ofPattern*( "dd-MM-yyyy HH:mm:ss");  
  
 String formatted\_date\_time = current\_date.format(formatter);  
 System.*out*.println(formatted\_date\_time);  
 }  
}

11. Write a Java Program to convert the below values to given data types.

● 125(int) -> double

● 125(String) -> int

● 125(int) -> 125(String)

● 125.00(double) -> int

public class Example2 {  
 public static void main(String[] args){  
  
 int y = 125 ;  
 double x = y ;  
 System.*out*.println(y);  
  
 String p = "125";  
 int q = Integer.*parseInt*(p) ;  
 System.*out*.println(q);  
  
 int k = 125;  
 String l = String.*valueOf*(k) ;  
 System.*out*.println(l);  
  
 double a = 125.00 ;  
 int b = (int) a ;  
 System.*out*.println(b);  
  
 }  
  
}

12. Write a Java program to develop the student grading system using if-else statements.

100-75 -> A

75-50 -> B

49-25 -> C

24-00 -> D

You have to get student marks from the terminal window and print the grade the student

obtained.

import java.util.Scanner;  
  
public class Example2 {  
 public static void main(String[] args){  
  
 Scanner input = new Scanner(System.*in*);  
 System.*out*.println("Enter Your Marks For the Exam:");  
 int marks = input.nextInt();  
  
 if(marks >= 75){  
 System.*out*.println("A");  
 } else if (marks >=50) {  
 System.*out*.println("B");  
 } else if (marks >=25) {  
 System.*out*.println("C");  
 }else {  
 System.*out*.println("D");  
 }  
 }  
  
}