**package second;**

**import java.util.Scanner;**

**public class SwitchCaseDemo {**

**public static void main(String[] args) {**

**Scanner scr = new Scanner(System.in);**

**System.out.println("Enter value bet 1-7 :");**

**int dayOfWeek = scr.nextInt();**

**switch(dayOfWeek) {**

**case 1:**

**System.out.println("Monday");**

**break;**

**case 2:**

**System.out.println("Tuesday");**

**break;**

**case 3:**

**System.out.println("Wednesday");**

**break;**

**case 4:**

**System.out.println("Thursday");**

**break;**

**case 5:**

**System.out.println("Friday");**

**break;**

**case 6:**

**System.out.println("Saturday");**

**break;**

**case 7:**

**System.out.println("Sunday");**

**break;**

**default :**

**System.out.println("please enter valid value/input");**

**}**

**}**

**}**

**package second;**

**public class SwitchCaseDemo1 {**

**public static void main(String[] args) {**

**int number=20;**

**switch(number){**

**case 10: System.out.println("10");**

**break;**

**case 20: System.out.println("20");**

**break;**

**case 30: System.out.println("30");**

**break; default:**

**System.out.println("Not in 10, 20 or 30");**

**}**

**}**

**}**

**public class SwitchVowelExample {**

**public static void main(String[] args) {**

**char ch='O';**

**switch(ch)**

**{**

**case 'a':**

**System.out.println("Vowel");**

**break;**

**case 'e':**

**System.out.println("Vowel");**

**break;**

**case 'i':**

**System.out.println("Vowel");**

**break;**

**case 'o':**

**System.out.println("Vowel");**

**break;**

**case 'u':**

**System.out.println("Vowel");**

**break;**

**case 'A':**

**System.out.println("Vowel");**

**break;**

**case 'E':**

**System.out.println("Vowel");**

**break;**

**case 'I':**

**System.out.println("Vowel");**

**break;**

**case 'O':**

**System.out.println("Vowel");**

**break;**

**case 'U':**

**System.out.println("Vowel");**

**break;**

**default:**

**System.out.println("Consonant");**

**}**

**}**

**}**

**//Java Switch Example where we are //omitting the**

**//break statement**

**public class SwitchExample2 {**

**public static void main(String[] args) {**

**int number=20;**

**//switch expression with int value**

**switch(number){**

**//switch cases without break statements**

**case 10: System.out.println("10");**

**case 20: System.out.println("20");**

**case 30: System.out.println("30");**

**default:System.out.println("Not in 10, 20 or 30");**

**}**

**}**

**}**

**//Java program to demonstrate the use of infinite for loop**

**//which prints an statement**

**public class ForExample {**

**public static void main(String[] args) {**

**//Using no condition in for loop**

**for(;;){**

**System.out.println("infinitive loop");**

**}**

**}**

**}**

**//Java Program to demonstrate the use of Java Switch**

**//statement with String**

**public class SwitchStringExample {**

**public static void main(String[] args) {**

**//Declaring String variable**

**String levelString="Expert";**

**int level=0;**

**//Using String in Switch expression**

**switch(levelString){**

**//Using String Literal in Switch case**

**case "Beginner": level=1;**

**break;**

**case "Intermediate": level=2;**

**break;**

**case "Expert": level=3;**

**break;**

**default: level=0;**

**break;**

**}**

**System.out.println("Your Level is: "+level);**

**}**

**}**

**//Java Program to demonstate the use of if //statement.**

**public class IfExample {**

**public static void main(String[] args) {**

**//defining an 'age' variable**

**int age=20;**

**//checking the age**

**if(age>18){**

**System.out.print("Age is greater than 18");**

**}**

**}**

**}**

**//A Java Program to demonstrate the use of if-else statement.**

**//It is a program of odd and even number.**

**public class IfElseExample {**

**public static void main(String[] args) {**

**//defining a variable**

**int number=13;**

**//Check if the number is divisible by 2 or not**

**if(number%2==0){**

**System.out.println("even number");**

**}else{**

**System.out.println("odd number");**

**}**

**}**

**}**

**public class LeapYearExample {**

**public static void main(String[] args) {**

**int year=2020;**

**if(((year % 4 ==0) && (year % 100 !=0)) || (year % 400==0)){**

**System.out.println("LEAP YEAR");**

**}**

**else{**

**System.out.println("COMMON YEAR");**

**}**

**}**

**}**

**//Java Program to demonstrate the use of If else-if ladder.**

**//It is a program of grading system for fail, D grade, C grade, B grade, A grade and A+.**

**public class IfElseIfExample {**

**public static void main(String[] args) {**

**int marks=65;**

**if(marks<50){**

**System.out.println("fail");**

**}**

**else if(marks>=50 && marks<60){**

**System.out.println("D grade");**

**}**

**else if(marks>=60 && marks<70){**

**System.out.println("C grade");**

**}**

**else if(marks>=70 && marks<80){**

**System.out.println("B grade");**

**}**

**else if(marks>=80 && marks<90){**

**System.out.println("A grade");**

**}else if(marks>=90 && marks<100){**

**System.out.println("A+ grade");**

**}else{**

**System.out.println("Invalid!");**

**}**

**}**

**}**

**public class PositiveNegativeExample {**

**public static void main(String[] args) {**

**int number=-13;**

**if(number>0){**

**System.out.println("POSITIVE");**

**}else if(number<0){**

**System.out.println("NEGATIVE");**

**}else{**

**System.out.println("ZERO");**

**}**

**}**

**}**

**//Java Program to demonstrate the use of Nested If Statement.**

**public class JavaNestedIfExample {**

**public static void main(String[] args) {**

**//Creating two variablesfor age andweight**

**int age=20;**

**int weight=80;**

**//applying condition on age and weight**

**if(age>=18){**

**if(weight>50){**

**System.out.println("You are eligible to donate blood");**

**}**

**}**

**}}**