So today let us talk about this scanner class.

So, this Scanner class is present in the java.util package and the Scanner is the class name.

Scanner sc = new Scanner(System.in);

Scanner class methods.

If else statements🡪

1. If(cond){  
   }
2. If(cond){  
   }

Else{  
}

1. If(cond){}

Else if(cond1){}

Else if(cond2){}

Else{}

Odd or even.

**package** com.te.TYbatch.training;

**import** java.util.Scanner;

**public** **class** Demo {

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

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

System.***out***.println("Enter a number");

**int** a = scanner.nextInt();

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

System.***out***.println(a + " is even");

}

**else** {

System.***out***.println(a+ " is odd");

}

}

}

Concept of leap year:

1. Every 4th year is a leap year
2. Every 100th year is not a leap year
3. Every 400th year is a leap year.

**package** com.te.TYbatch.training;

**import** java.util.Scanner;

**public** **class** Demo {

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

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

System.***out***.println("Enter a number");

**int** a = scanner.nextInt();

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

System.***out***.println("leap year");

}

**else** {

System.***out***.println("not a leap year");

}

}

}

**package** com.te.TYbatch.training;

**import** java.util.Scanner;

**public** **class** Demo {

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

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

System.***out***.println("Enter your age");

**int** age = scanner.nextInt();

**if**(age>=28 && age<=40) {

System.***out***.println("You can search for your bride");

}

**else** {

System.***out***.println("No use");

}

}

}

Nested IF:

**package** com.te.TYbatch.training;

**import** java.util.Scanner;

**public** **class** Demo {

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

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

System.***out***.println("Enter your age");

**int** age = scanner.nextInt();

**if** (age >= 28) {

**if** (age <= 33) {

System.***out***.println("Search for your bride");

}

**else**{

System.***out***.println("No use");;

}

}

**else** {

System.***out***.println("Concentrate on your career");

}

}

}

Switch case:

Syntax:

Switch(exp){

Case value1:

Break;

Case value 2:

Break;

Case default:

Break;

1. Case values should be unique
2. For case, we should provide constant/literal values
3. Order is not important
4. Default is not mandatory
5. The execution starts from the case value which matches the switch(exp)
6. Executes each and every line after execution starts

**package** com.te.TYbatch.training;

**import** java.util.Scanner;

**public** **class** Demo {

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

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

System.***out***.println("Enter a number");

**int** a = scanner.nextInt();

**switch** (a) {

**case** 1:

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

**break**;

**case** 2:

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

**break**;

**case** 3:

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

**break**;

**case** 5:

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

**break**;

**case** 6:

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

**break**;

**case** 7:

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

**break**;

**case** 4:

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

**break**;

**default**:

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

}

}

}

Assignment:

1. Take user input as the month & year
2. Find the no. of days in that month.
3. Also you have to take care of the month of February as it would be 28 for normal and 29 for leap year.

public class NoOfDaysInAMonth {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.println("Enter the month");

int month = scanner.nextInt();

System.out.println("Enter the year");

int year = scanner.nextInt();

switch (month) {

case 2:

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

System.out.println("This month has 29 days");

} else {

System.out.println("This month has 28 days");

}

break;

case 1:

case 3:

case 5:

case 7:

case 8:

case 10:

case 12:

System.out.println("There are 31 days in this month");

break;

case 4:

case 6:

case 9:

case 11:

System.out.println("There are 30 days in this month");

break;

default:

System.out.println("Invalid input");

}

}

}