**1- Leap year or not**

**package** com.zukun.java;

**import** java.util.Scanner;

**public** **class** LeapYearOrNot {

**private** **static** Scanner *scanner*;

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

// input class

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

System.***out***.println("Enter the Year");

**int** year= *scanner*.nextInt(); // declaring the input variable

/\*

if(Year%4==0 && Year%400==0) {

System.out.println(Year+ " is leap year");

}else

System.out.println(Year+ "is not leap year");

\*/

System.***out***.println((year%4==0 && year%400==0)? year+ " is Leap Year" : year+ " is Not Leap Year");

}

}

**2- Greatest of three Numbers**

**package** com.zukun.java;

**import** java.util.Scanner;

**public** **class** GreatestAmongThreeNumbers {

**private** **static** Scanner *scanner*;

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

// input class

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

System.***out***.println("Enter the First Number");

**int** a= *scanner*.nextInt(); // declaring the input variable

System.***out***.println("Enter the Second Number");

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

System.***out***.println("Enter the Third Number");

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

System.***out***.println(((a>b) && (a>c))? "The greatest number is " +a :((b>a) && (b>c)) ? "The greatest number is " + b : "The greatest number is " + c );

}

}

**3-Grade ofthe students**

**package** com.zukun.java;

**import** java.util.Scanner;

**public** **class** GradeOfStudents {

**private** **static** Scanner *scanner*;

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

// input class

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

System.***out***.println("Enter the Mark of the Student");

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

System.***out***.println((mark>=90) ? "Grade-A" : (mark>=80) ? "Grade-B" : (mark>=70) ? "Grade-C" :(mark>=60) ? "Grade-D" : " Grade-E");

}

}

**4-Age group Detection**

**package** com.zukun.java;

**import** java.util.Scanner;

**public** **class** AgeGroupDetermination {

**private** **static** Scanner *scanner*;

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

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

System.***out***.println("Enetr the age of the person");

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

System.***out***.println((a<13)?"Child" : (a<22) ? "Teen" : (a<60) ? "Adult" : "Elder");

}

}

**5-Login Access**

**package** com.zukun.java;

**import** java.util.Scanner;

**public** **class** LoginAccess {

**private** **static** Scanner *scanner*;

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

**int** password=256798;

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

System.***out***.println("Enter the password to be proceed");

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

System.***out***.println((password==login) ? "Access Granted" : " Access Denied");

}

}

**6-Traffic Light**

**package** com.zukun.java;

**import** java.util.Scanner;

**public** **class** TrafficLightSystem {

**private** **static** Scanner *scanner*;

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

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

System.***out***.println("Enter the Character to do the action");

String A=*scanner*.nextLine();

//char A='G';

//String R = null;

//String G = null;

System.***out***.println((A==G) ? "Go" : (A== R) ? "Stop" : "Illegal Expression");

}

}

**7-Fire Extinguisher**

**package** com.zukun.java;

**import** java.util.Scanner;

**public** **class** FireExtinguisher {

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

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

System.***out***.println("Is Temperature is high?");

String a=scanner.nextLine();

System.***out***.println("Is Smoke is Producing?");

String b=scanner.nextLine();

System.***out***.println(((a="Yes"||"YES"||"yes" && b="Yes"||"YES"||"yes") ? "Fire Extinguisher On" : (a="Yes"||"YES"||"yes" || b="Yes"||"YES"||"yes") ? "Emergency Condition" : "Normal condition") ;

}

}