

Enum

| Class | enum |
|--|--|
| <pre> package com.hdfc.collections; public class WeekDaysClass { public static final String mon="MON"; //String public static final String tue="TUE"; public static final String wed="WED"; public static final String thu="THU"; public static final String fri="FRI"; public static final String sat="SAT"; public static final String sun="SUN"; public static final String somwar="MON"; //devel- oper mistakenly added "Mon" with new variable, single- ton maintained by developer public static void main(String[] args) { System.out.println(WeekDaysClass.mon); //to get the constant mon, ClassName.staticVariable //how to iterate/print all constants, we don't have ready-made methods? // how to get index of TUE ? - no direct meth- ods? //if i have "MON" string value how to get the constant from class? //if i want to make SAT SUN off working day then how to write that code? } } </pre> | <pre> package com.hdfc.collections; public enum WeekDaysEnum { MON, TUE, WED, THU, FRI, SAT { public boolean isWorkingDay() { return false; } }, //MON; //another duplicate constant we can't in- troduce in enum as enum is singleton, where as Week- DaysClass.somwar mistankenly added by developer SUN { public boolean isWorkingDay() { return false; } }; public boolean isWorkingDay() { return true; } public static void main(String[] args) { //print all constants WeekDaysEnum[] values = WeekDaysEnum.values(); for(WeekDaysEnum day: values){ System.out.println(day); System.out.println("is Working Day: "+day.isWorkingDay()); //only SAT SUN will be return false rest all returns true } //print index of days System.out.println(WeekDaysEnum.MON.ordi- nal()); //ordinal method provided by Enum System.out.println(WeekDaysEnum.TUE.ordi- nal()); System.out.println(WeekDaysEnum.WED.ordi- nal()); System.out.println(WeekDaysEnum.THU.ordi- nal()); //get the constant from String WeekDaysEnum mon = WeekDaysEnum.val- ueOf("MON"); } } </pre> |

Ternary Operator

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variable = Expression1 ? Expression2: Expression3
```

Expression1 should be a Boolean expression, result should be true or false

If Expression1 is true then Expression2 will be returned

Else Expression3

```
'int x=10;

String result;
If(x>10){
    result = "more than 10";
}else{
    result = "less than or equal to 10";
}
```

The same expression can be written as

```
String result = x>10 ? "more than 10" : "less than or equal to 10";
```