package Enums;  
  
public class EnumsDemo {  
 public static void main(String[] args) {  
 Day monday=Day.*Monday*;  
 //ordinal- Index  
 System.*out*.println("monday ordinal: "+monday.ordinal());  
 //name and toString() is same  
 System.*out*.println("monday name: "+monday.name());  
 // call monday instance method  
 monday.display();  
  
 //valueOf - if provided value matches with enum then instance will be created else then throws exception  
 Day enumDay= Day.*valueOf*("Tuesday");  
 System.*out*.println("enumDay: "+enumDay);  
  
 //values - Provides all values of enum  
 System.*out*.println("All enum values");  
 Day[] daysValue= Day.*values*();  
 for (Day day:daysValue){  
 System.*out*.println(" "+day.name());  
  
 }  
  
  
 Day1 d=Day1.*Friday*;  
 System.*out*.println("Day 1 Lower: "+d.getLower()+" Day 1 hindi: "+d.getHindi());  
 }  
}  
  
  
  
 enum Day{  
 *Monday*,*Tuesday*,*Wednesday*,*Thursday*,*Friday*,*Saturday*,*Sunday*;  
  
  
 public void display(){  
 System.*out*.println("Inside display method: "+this.name());  
 }  
}  
  
  
enum Day1{  
  
 //always constants should be declared first  
 *Monday*("Monday","Somwar"),  
 *Tuesday*("Tuesday","Maglawar"),  
 *Wednesday*("Wednesday","Budhawar"),  
 *Thursday*("Thursday","Gururwar"),  
 *Friday*("Friday","Sukrawar"),  
 *Saturday*("Saturday","Shaniwar"),  
 *Sunday*("Sunday","Aditywar");  
 private String lower;  
 private String hindi;  
 private Day1(String lower, String hindi){  
 System.*out*.println("Inside the constructor");  
 this.lower=lower.toLowerCase();  
 this.hindi=hindi;  
 }  
  
 public String getLower() {  
 return lower;  
 }  
  
 public String getHindi() {  
 return hindi;  
 }  
 public void display(){  
 System.*out*.println("Inside display method: "+this.name());  
 }  
}

C:\Users\Roystan\.jdks\openjdk-21.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\lib\idea\_rt.jar=56769:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\bin" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath C:\Users\Roystan\IdeaProjects\JavaWorkspace\out\production\JavaWorkspace Enums.EnumsDemo

monday ordinal: 0

monday name: Monday

Inside display method: Monday

enumDay: Tuesday

All enum values

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

Inside the constructor

Inside the constructor

Inside the constructor

Inside the constructor

Inside the constructor

Inside the constructor

Inside the constructor

Day 1 Lower: friday Day 1 hindi: Sukrawar

**Example 2: Switch case implementation**

package Enums;  
  
public class SwitchCaseExample {  
 public static void main(String[] args) {  
 Day1 d=Day1.*Friday*;  
 switch (d){  
 case *Monday*:{  
 System.*out*.println("Today is Monday");  
 break;  
 }  
 case *Tuesday*:{  
 System.*out*.println("Today is Tuesday");  
 break;  
 }  
 case *Wednesday*:{  
 System.*out*.println("Today is Wednesday");  
 break;  
 }  
 case *Thursday*:{  
 System.*out*.println("Today is Thursday");  
 break;  
 }  
 case *Friday*:{  
 System.*out*.println("Today is Friday");  
 break;  
 }  
 case *Saturday*:{  
 System.*out*.println("Today is Saturday");  
 break;  
 }  
 default:{  
 System.*out*.println("Today is Sunday");  
 }  
  
 }  
  
 //new switch case  
 switch (d){  
 case *Monday* -> {  
 System.*out*.println("Today is Monday");  
 }  
 case *Tuesday* -> {  
 System.*out*.println("Today is Tuesday");  
 }  
 case *Wednesday* -> {  
 System.*out*.println("Today is Wednesday");  
 }  
 case *Thursday* -> {  
 System.*out*.println("Today is Thursday");  
 }  
 case *Friday* -> {  
 System.*out*.println("Today is Friday");  
 }  
 case *Saturday* -> {  
 System.*out*.println("Today is Saturday");  
 }  
 default -> {  
 System.*out*.println("Today is Sunday");  
 }  
 }  
  
 //switch with return  
 String res=switch (d){  
 case *Monday* -> "Working day 1";  
 case *Tuesday* -> "Working day 2";  
 case *Wednesday*-> "Working day 3";  
 case *Thursday* -> "Working day 4";  
 case *Friday* -> "Working day 5";  
 default -> "Weekend";  
 };  
 System.*out*.println(res);  
  
 }  
}

enum Day1{  
  
 //always constants should be declared first  
 *Monday*("Monday","Somwar"),  
 *Tuesday*("Tuesday","Maglawar"),  
 *Wednesday*("Wednesday","Budhawar"),  
 *Thursday*("Thursday","Gururwar"),  
 *Friday*("Friday","Sukrawar"),  
 *Saturday*("Saturday","Shaniwar"),  
 *Sunday*("Sunday","Aditywar");  
 private String lower;  
 private String hindi;  
 private Day1(String lower, String hindi){  
 System.*out*.println("Inside the constructor");  
 this.lower=lower.toLowerCase();  
 this.hindi=hindi;  
 }  
  
 public String getLower() {  
 return lower;  
 }  
  
 public String getHindi() {  
 return hindi;  
 }  
 public void display(){  
 System.*out*.println("Inside display method: "+this.name());  
 }  
}

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Inside the constructor

Inside the constructor

Inside the constructor

Inside the constructor

Inside the constructor

Inside the constructor

Inside the constructor

Today is Friday

Today is Friday

Working day 5

Process finished with exit code 0

**Enum inside class**

package Enums;  
  
public class EnumInsideClass {  
  
 public enum Months{  
 *JAN*,*FEB*,*MAR*,*APR*,*MAY*,*JUN*,*JUL*,*AUG*,*SEP*,*OCT*,*NOV*,*DEC*;  
  
 public void display(){  
 System.*out*.println(this.name()+" "+(this.ordinal()+1));  
 }  
 }  
  
 public static void main(String[] args) {  
 Months oct=Months.*OCT*;  
 oct.display();  
 }  
}

**C:\Users\Roystan\.jdks\openjdk-21.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\lib\idea\_rt.jar=56778:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\bin" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath C:\Users\Roystan\IdeaProjects\JavaWorkspace\out\production\JavaWorkspace Enums.EnumInsideClass**

**OCT 10**

**Process finished with exit code 0**

**Enum Outside class**

package Enums;  
  
public class EnumOutsideClass {  
 public static void main(String[] args) {  
 Mains.Months apr = Mains.Months.*APR*;  
 apr.display();  
 }  
}  
  
  
 class Mains {  
  
 public enum Months{  
 *JAN*,*FEB*,*MAR*,*APR*,*MAY*,*JUN*,*JUL*,*AUG*,*SEP*,*OCT*,*NOV*,*DEC*;  
  
 public void display(){  
 System.*out*.println(this.name()+" "+(this.ordinal()+1));  
 }  
 }  
  
}

**C:\Users\Roystan\.jdks\openjdk-21.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\lib\idea\_rt.jar=56780:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\bin" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath C:\Users\Roystan\IdeaProjects\JavaWorkspace\out\production\JavaWorkspace Enums.EnumOutsideClass**

**APR 4**

**Process finished with exit code 0**