# Gramática

```
S -> <PAOUETE> <CLASE>
<PAOUETE> -> <PALRE> <ID> <OPESP>
<CLASE> -> <PALRE> <PALRE> <NUEVACLASE>
<NUEVACLASE> -> <ID> <OPESP> <METODO>
<METODO> -> <PALRE> <PALRE> <NUEVAPALRE>
<NUEVAPALRE> -> <PALRE> <MAIN>
<MAIN> -> <ID> <OPESP> <NUEVAPALRE>
<NUEVAPALRE> -> <PALRE> <OPESP> <NUEVOPESP>
<NUEVOPESP> -> <OPESP> <ID> <OTROPESP>
<OTROPESP> -> <OPESP> <OPESP> <VARIABLE>
<VARIABLE> -> <PALRE> <ID> <NUEVOPASI>
<NUEVOPASI> -> <OPASI> <DIGITO> <NUEVOPESP>
<NUEVOPESP> -> <OPESP> <PALRE> <NUEVOID>
<NUEVOID> -> <ID> <OPASI> <NUEVOPESP>
<NUEVOPESP> -> <OPESP> <CADENA> <NUEVACOMILLA>
<NUEVACOMILLA> -> <OPESP> <NUEVOPESP>
<NUEVOPESP> -> <OPESP> <SWITCH>
<SWITCH> -> <PALRE> <OPESP> <NUEVOID>
<NUEVOID> -> <ID> <OPESP> <NUEVOPESP>
<NUEVOPESP> -> <OPESP> <CASO>
```

```
<CASO> -> <PALRE> <DIGITO> <NUEVOPESP>
<NUEVOPESP> -> <OPESP> <ID> <NUEVOPASI>
<NUEVOPASI> -> <OPASI> <OPESP> <NUEVACADENA>
<NUEVACADENA> -> <CADENA> <OPESP> <NUEVOPESP>
<NUEVOPESP> -> <OPESP> <BREAK>
<BREAK> -> <PALRE> <OPESP> <CASO>
<BREAK> -> <PALRE> <OPESP> <DEFAULT>
<DEFAULT> -> <PALRE> <OPESP> <NUEVOID>
<NUEVOID> -> <ID> <OPASI> <NUEVOPESP>
<NUEVACOMILLA> -> <OPESP> <OPESP> <NUEVOPESP>
<NUFVOPESP> -> < OPESP> < PAI RE> < NUFVOPAREN>
<NUEVOPAREN> -> <OPESP> <ID> <NUEVOPESP>
<NUEVOPESP> -> < OPESP> < NUEVALLAVE>
<NUFVALLAVE> -> < OPESP> < OPESP>
<ID> -> Switch_Project | args | dayString | UNPA | main
<PALRE> -> package | public | class | static | void | break | case |
switch | default | int | String | println
<OPESP> -> {|}|(|)|:|;|[|]| "|"
<OPASI> -> = | +=
<DIGITO> -> 1 | 2 | 3 | 4 | 5 | 6 | 7
<CADENA> -> Hoy es | Lunes | Martes | Miercoles | Jueves | Viernes
| Sabado | Domingo | Dia invalido
```

### Palabras reservadas de Java

Símbolo	Componente Léxico
package	PALRE
public	PALRE
class	PALRE
static	PALRE
void	PALRE
case	PALRE
break	PALRE
int	PALRE
default	PALRE
switch	PALRE
String	PALRE
println	PALRE

### **Operadores de asignación**

Símbolo	Componente Léxico
=	OPASI
+=	OPASI

### **Operadores especiales**

Símbolo	Componente Léxico
{	OPESP
}	OPESP
(	OPESP
)	OPESP
:	OPESP
;	OPESP
[	OPESP
]	OPESP
ш	OPESP
"	OPESP

## Símbolos independientes de la gramática

ID	CADENA	DIGITO
Switch_Project	Hoy es	1
UNPA	Lunes	2
args	Martes	3
dayString	Miercoles	4
main	Jueves	5
day	Viernes	6
	Sabado	7
	Domingo	
	Dia invalido	

# PRUEBA VÁLIDA

#### Gramática a validar:

```
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = "Hoy es";
switch (day) {
case 1: dayString += "Lunes";
break:
case 2: dayString += " Martes ";
break:
case 3: dayString += " Miercoles ";
break:
case 4: dayString += " Jueves ";
break:
case 5: dayString += "Viernes";
break:
case 6: dayString += "Sabado";
break:
case 7: dayString += "Domingo";
break:
default: dayString += " Dia invalido ";
break;
println (dayString);
```

```
S-> < PAQUETE > < CLASE >
                                                       package UNPA;
<PAQUETE> -> <PALRE> <ID> <OPESP>
package UNPA;
<CLASE> -> <PALRE> <PALRE> <NUEVACLASE>
                                                       int day
package UNPA;
public class
                                                       package UNPA;
<NUEVACLASE> -> <ID> <OPESP> <METODO>
package UNPA;
public class Switch Project {
                                                       int day = 5
<METODO> -> <PALRE> <PALRE> <NUEVAPALRE>
package UNPA;
                                                       package UNPA;
public class Switch Project{
public static
<NUEVAPALRE> -> <PALRE> <MAIN>
                                                       int day = 5;
package UNPA;
                                                       String
public class Switch Project{
public static void
                                                       package UNPA;
<MAIN> -> <ID> <OPESP> <NUEVAPALRE>
package UNPA;
public class Switch Project{
                                                       int day = 5;
public static void main (
                                                       String dayString =
<NUEVAPALRE> -> <PALRE> <OPESP> <NUEVOPESP>
package UNPA;
                                                       package UNPA;
public class Switch Project{
public static void main (String [
<NUEVOPESP> -> <OPESP> <ID> <OTROPESP>
                                                       int day = 5;
package UNPA;
public class Switch Project{
public static void main (String [] args
                                                       package UNPA;
<OTROPESP> -> <OPESP> <VARIABLE>
package UNPA;
public class Switch_Project{
                                                       int day = 5;
public static void main ( String [ ] args ) {
```

```
<VARIABLE> -> <PALRE> <ID> <NUEVOPASI>
public class Switch Project{
public static void main ( String [ ] args ) {
<NUEVOPASI> -> <OPASI> <DIGITO> <NUEVOPESP>
public class Switch Project{
public static void main ( String [ ] args ) {
<NUEVOPESP> -> <OPESP> <PALRE> <NUEVOID>
public class Switch Project{
public static void main ( String [ ] args ) {
<NUEVOID> -> <ID> <OPASI> <NUEVOPESP>
public class Switch Project{
public static void main ( String [ ] args ) {
<NUEVOPESP> -> <OPESP> <CADENA> <NUEVACOMILLA>
public class Switch Project{
public static void main ( String [ ] args ) {
String dayString = " Hoy es
<NUEVACOMILLA> -> <OPESP> <NUEVOPESP>
public class Switch_Project{
public static void main ( String [ ] args ) {
String dayString = " Hoy es "
```

<nuevopesp> -&gt; <opesp> <switch></switch></opesp></nuevopesp>
package UNPA ;
<pre>public class Switch_Project{</pre>
public static void main ( String [ ] args ) {
int day = $5$ ;
String dayString = " Hoy es ";
<switch> -&gt; <palre> <opesp> <nuevoid></nuevoid></opesp></palre></switch>
package UNPA ;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = $5$ ;
String dayString = " Hoy es ";
switch (
<nuevoid> -&gt; <id> <opesp> <nuevopesp></nuevopesp></opesp></id></nuevoid>
package UNPA ;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = $5$ ;
String dayString = " Hoy es ";
switch (day)
<nuevopesp> -&gt; <opesp> <caso></caso></opesp></nuevopesp>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch ( day ) {
<caso> -&gt; <palre> <digito> <nuevopesp></nuevopesp></digito></palre></caso>
package UNPA;
<pre>public class Switch_Project{ public static void main ( String [ ] args ) {</pre>
int day = 5;  String dayString = " Hoy os ":
String dayString = " Hoy es "; switch ( day ){
case 1
Cusc 1

```
<NUEVOPESP> -> <OPESP> <ID> <NUEVOPASI>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString
<NUEVOPASI> -> <OPASI> <OPESP> <NUEVACADENA>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += "
<NUEVACADENA> -> <CADENA> <OPESP> <NUEVOPESP>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes "
<NUEVOPESP> -> <OPESP> <BREAK>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes ";
```

```
<BREAK> -> <PALRE> <OPESP> <CASO>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes ";
break:
<CASO> -> <PALRE> <DIGITO> <NUEVOPESP>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes ";
break;
case 2
<NUEVOPESP> -> <OPESP> <ID> <NUEVOPASI>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes ";
break:
case 2: dayString
```

		<nuevopasi> -&gt; <opasi> <opesp> <nuevacadena></nuevacadena></opesp></opasi></nuevopasi>
AULEVORAGE ORAGE ORAGE AULEVAGARENA	<break> -&gt; <palre> <opesp> <caso></caso></opesp></palre></break>	package UNPA ;
<nuevopasi> -&gt; <opasi> <opesp> <nuevacadena></nuevacadena></opesp></opasi></nuevopasi>	package UNPA ;	public class Switch_Project{
package UNPA;	public class Switch_Project{	public static void main ( String [ ] args ) {
public class Switch_Project{	public static void main ( String [ ] args ) {	int day = 5;
public static void main ( String [ ] args ) {	int day = 5;	String dayString = " Hoy es ";
int day = 5;	String dayString = " Hoy es ";	switch (day) {
String dayString = " Hoy es ";	switch ( day ) {	case 1: dayString += " Lunes ";
switch ( day ) {	case 1: dayString += " Lunes ";	break;
case 1: dayString += " Lunes ";	break;	case 2: dayString += " Martes ";
break;	case 2: dayString += " Martes ";	break;
case 2: dayString += "	break;	case 3: dayString += "
	<caso> -&gt; <palre> <digito> <nuevopesp></nuevopesp></digito></palre></caso>	<pre><nuevacadena> -&gt; <cadena> <opesp> <nuevopesp></nuevopesp></opesp></cadena></nuevacadena></pre>
<nuevacadena> -&gt; <cadena> <opesp> <nuevopesp></nuevopesp></opesp></cadena></nuevacadena>	package UNPA ;	package UNPA ;
package UNPA ;	public class Switch_Project{	public class Switch_Project{
public class Switch_Project{	public static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {
public static void main ( String [ ] args ) {	int day = 5;	int day = 5;
int day = 5;	String dayString = " Hoy es ";	String dayString = " Hoy es ";
String dayString = " Hoy es ";	switch ( day ) {	switch (day) {
switch ( day ) {	case 1: dayString += " Lunes ";	case 1: dayString += " Lunes ";
case 1: dayString += " Lunes ";	break;	break;
break;	case 2: dayString += " Martes ";	case 2: dayString += " Martes ";
case 2: dayString += " Martes "	break;	break;
	case 3	case 3: dayString += " Miercoles "
<nuevopesp> -&gt; <opesp> <break></break></opesp></nuevopesp>	<pre><nuevopesp> -&gt; <opesp> <id> <nuevopasi></nuevopasi></id></opesp></nuevopesp></pre>	, , , ,
package UNPA ;	package UNPA ;	package UNPA;
public class Switch_Project{	public class Switch_Project{	public class Switch_Project{
public static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {
int day = 5;	int day = 5;	int day = 5;
String dayString = " Hoy es ";	String dayString = " Hoy es ";	String dayString = " Hoy es " ;
switch (day) {	switch ( day ) {	switch ( day ) {
case 1: dayString += " Lunes ";	case 1: dayString += " Lunes ";	
break;	break;	case 1: dayString += " Lunes "; break;
case 2: dayString += " Martes ";	<u>:</u>	·
	case 2: dayString += " Martes ";	case 2: dayString += " Martes ";
	break;	break;
	case 3: dayString	case 3: dayString += " Miercoles ";

<break> -&gt; <palre> <opesp> <caso></caso></opesp></palre></break>	<pre><nuevopasi> -&gt; <opasi> <opesp> <nuevacadena></nuevacadena></opesp></opasi></nuevopasi></pre>
package UNPA ;	package UNPA ;
oublic class Switch_Project {	public class Switch_Project{
oublic static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {
nt day = 5 ;	int day = 5 ;
String dayString = " Hoy es " ;	String dayString = " Hoy es ";
switch (day) {	switch ( day ) {
case 1: dayString += " Lunes ";	case 1: dayString += " Lunes ";
oreak;	break;
case 2: dayString += " Martes ";	case 2: dayString += " Martes ";
oreak;	break;
case 3: dayString += " Miercoles ";	case 3: dayString += " Miercoles ";
oreak;	break;
<caso> -&gt; <palre> <digito> <nuevopesp></nuevopesp></digito></palre></caso>	case 4: dayString += "
package UNPA;	<nuevacadena> -&gt; <cadena> <opesp> <nuevopesp></nuevopesp></opesp></cadena></nuevacadena>
•	package UNPA ;
oublic class Switch_Project{	public class Switch_Project{
oublic static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {
nt day = 5 ;	int day = 5 ;
String dayString = " Hoy es ";	String dayString = " Hoy es ";
switch (day) {	switch ( day ) {
case 1: dayString += " Lunes ";	case 1: dayString += " Lunes ";
oreak;	break;
case 2: dayString += " Martes ";	case 2: dayString += " Martes ";
oreak;	break;
case 3: dayString += " Miercoles ";	case 3: dayString += " Miercoles ";
oreak;	break;
case 4	case 4: dayString += " Jueves "
<nuevopesp> -&gt; <opesp> <id> <nuevopasi></nuevopasi></id></opesp></nuevopesp>	<nuevopesp> -&gt; <opesp> <break></break></opesp></nuevopesp>
oackage UNPA ;	package UNPA;
oublic class Switch_Project{	public class Switch_Project{
oublic static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {
nt day = 5 ;	int day = 5;
String dayString = " Hoy es ";	String dayString = " Hoy es ";
switch ( day ) {	switch ( day ) {
case 1: dayString += " Lunes ";	case 1: dayString += " Lunes ";
oreak;	break;
case 2: dayString += " Martes ";	case 2: dayString += " Martes ";
oreak;	break;
case 3: dayString += " Miercoles ";	case 3: dayString += " Miercoles ";
oreak;	break;
case 4: dayString	case 4: dayString += " Jueves ";

```
<BREAK> -> <PALRE> <OPESP> <CASO>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes ";
break;
case 2: dayString += " Martes ";
break;
case 3: dayString += " Miercoles ";
break;
case 4: dayString += " Jueves ";
break;
<CASO> -> <PALRE> <DIGITO> <NUEVOPESP>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes ";
break;
case 2: dayString += " Martes ";
break;
case 3: dayString += " Miercoles ";
break:
case 4: dayString += " Jueves ";
break;
case 5
```

```
<NUEVACADENA> -> <CADENA> <OPESP> <NUEVOPESP>
<NUEVOPESP> -> <OPESP> <ID> <NUEVOPASI>
                                                                package UNPA;
package UNPA;
                                                                public class Switch Project{
public class Switch_Project{
                                                                public static void main ( String [ ] args ) {
public static void main ( String [ ] args ) {
                                                                int day = 5;
int day = 5;
                                                                String dayString = " Hoy es ";
String dayString = " Hoy es ";
                                                                switch (day) {
switch (day) {
                                                                case 1: dayString += " Lunes ";
case 1: dayString += " Lunes ";
                                                                break;
break;
                                                                case 2: dayString += " Martes ";
case 2: dayString += " Martes ";
                                                                break;
break;
                                                                case 3: dayString += " Miercoles ";
case 3: dayString += " Miercoles ";
                                                                break;
break;
                                                                case 4: dayString += " Jueves ";
case 4: dayString += " Jueves ";
                                                                break;
break;
                                                                case 5: dayString += "Viernes"
case 5: dayString
                                                                <NUEVOPESP> -> <OPESP> <BREAK>
<NUEVOPASI> -> <OPASI> <OPESP> <NUEVACADENA>
                                                                package UNPA;
package UNPA;
                                                                public class Switch Project{
public class Switch Project{
                                                                public static void main ( String [ ] args ) {
public static void main ( String [ ] args ) {
                                                                int day = 5;
int day = 5;
                                                                String dayString = " Hoy es ";
String dayString = " Hoy es ";
switch (day) {
                                                                switch (day) {
                                                                case 1: dayString += " Lunes ";
case 1: dayString += " Lunes ";
                                                                break:
break:
                                                                case 2: dayString += " Martes ";
case 2: dayString += " Martes ";
                                                                break:
break;
                                                                case 3: dayString += " Miercoles ";
case 3: dayString += " Miercoles ";
                                                                break:
break:
                                                                case 4: dayString += " Jueves ";
case 4: dayString += " Jueves ";
                                                                break:
break:
                                                                case 5: dayString += " Viernes ";
case 5: dayString += "
```

```
<BREAK> -> <PALRE> <OPESP> <CASO>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes ";
break;
case 2: dayString += " Martes ";
break;
case 3: dayString += " Miercoles ";
break;
case 4: dayString += " Jueves ";
break;
case 5: dayString += " Viernes ";
break;
<CASO> -> <PALRE> <DIGITO> <NUEVOPESP>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes ";
break;
case 2: dayString += " Martes ";
break:
case 3: dayString += " Miercoles ";
break:
case 4: dayString += " Jueves ";
break:
case 5: dayString += " Viernes ";
break:
case 6
```

<nuevopesp> -&gt; <opesp> <id> <nuevopasi></nuevopasi></id></opesp></nuevopesp>	<nuevacadena> -&gt; <cadena> <opesp> <nuevopesp></nuevopesp></opesp></cadena></nuevacadena>	<break> -&gt; <palre> <opesp> <caso></caso></opesp></palre></break>
package UNPA ;	package UNPA ;	package UNPA ;
public class Switch_Project{	public class Switch_Project{	public class Switch_Project{
public static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {
int day = 5 ;	int day = 5 ;	int day = 5 ;
String dayString = " Hoy es ";	String dayString = " Hoy es ";	String dayString = " Hoy es " ;
switch ( day ) {	switch ( day ) {	switch (day) {
case 1: dayString += " Lunes ";	case 1: dayString += " Lunes ";	case 1: dayString += " Lunes ";
break;	break;	break; case 2: dayString += " Martes ";
case 2: dayString += " Martes ";	case 2: dayString += " Martes ";	break;
break;	break;	case 3: dayString += " Miercoles ";
case 3: dayString += " Miercoles ";	case 3: dayString += " Miercoles ";	break;
break;	break;	case 4: dayString += " Jueves ";
case 4: dayString += " Jueves ";	case 4: dayString += " Jueves ";	break;
break;	break;	case 5: dayString += " Viernes ";
case 5: dayString += " Viernes ";	case 5: dayString += " Viernes ";	break;
break;	break;	case 6: dayString += " Sabado ";
case 6: dayString	case 6: dayString += " Sabado "	break;
<pre><nuevopasi> -&gt; <opasi> <opesp> <nuevacadena></nuevacadena></opesp></opasi></nuevopasi></pre>	<nuevopesp> -&gt; <opesp> <break></break></opesp></nuevopesp>	<caso> -&gt; <palre> <digito> <nuevopesp></nuevopesp></digito></palre></caso>
package UNPA ;	package UNPA ;	package UNPA ;
public class Switch_Project{	public class Switch_Project{	public class Switch_Project{
public static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {
int day = 5 ;	int day = 5 ;	int day = 5;
String dayString = " Hoy es ";	String dayString = " Hoy es " ;	String dayString = " Hoy es "; switch ( day ) {
switch ( day ) {	switch (day) {	case 1: dayString += " Lunes ";
case 1: dayString += " Lunes ";	case 1: dayString += " Lunes ";	break;
break;	break;	case 2: dayString += " Martes ";
case 2: dayString += " Martes ";	case 2: dayString += " Martes ";	break;
break;	break;	case 3: dayString += " Miercoles ";
case 3: dayString += " Miercoles ";	case 3: dayString += " Miercoles ";	break;
break;	break;	case 4: dayString += " Jueves ";
case 4: dayString += " Jueves ";	case 4: dayString += " Jueves ";	break;
break;	break;	case 5: dayString += " Viernes ";
case 5: dayString += " Viernes ";	case 5: dayString += " Viernes ";	break;
break;	break;	case 6: dayString += " Sabado ";
	_ D. Carry	• Dreak.
case 6: dayString += "	case 6: dayString += " Sabado ";	break; case 7

<nuevopesp> -&gt; <opesp> <id> <nuevopasi></nuevopasi></id></opesp></nuevopesp>	<nuevacadena> -&gt; <cadena> <opesp> <nuevopesp></nuevopesp></opesp></cadena></nuevacadena>	<break>-&gt; <palre> <opesp> <default></default></opesp></palre></break>
package UNPA ;	package UNPA ;	package UNPA ;
public class Switch_Project{	public class Switch_Project{	public class Switch_Project{
public static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {	public static void main ( String [ ] args ) {
int day = 5 ;	int day = 5;	int day = 5;
String dayString = " Hoy es ";	String dayString = " Hoy es ";	String dayString = " Hoy es ";
switch (day) {	switch (day) {	switch(day){
case 1: dayString += " Lunes ";	case 1: dayString += " Lunes ";	case 1: dayString += " Lunes "; break;
break;	break;	case 2: dayString += " Martes ";
case 2: dayString += " Martes ";	case 2: dayString += " Martes ";	break;
break;	break;	case 3: dayString += " Miercoles ";
case 3: dayString += " Miercoles ";	case 3: dayString += " Miercoles ";	break;
break;	break;	case 4: dayString += " Jueves ";
case 4: dayString += " Jueves ";	case 4: dayString += " Jueves ";	break;
break;	break;	case 5: dayString += " Viernes ";
case 5: dayString += " Viernes ";	case 5: dayString += " Viernes ";	break;
break;	break;	case 6: dayString += " Sabado ";
case 6: dayString += " Sabado ";	case 6: dayString += " Sabado ";	break;
break;	break;	case 7: dayString += " Domingo ";
· · · · · · · · · · · · · · · · · · ·		break;
· · · · · · · · · · · · · · · · · · ·	, , ,	<pre><default> -&gt; <palre> <opesp> <nuevoid></nuevoid></opesp></palre></default></pre>
•		
· ·	•	public static void main (String [] args) {
		int day = 5 ;
		String dayString = " Hoy es ";
	· · · · · · · · · · · · · · · · · · ·	
		· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	ı	
	·	
, ,		
		, ,
, · · ·		case 5: dayString += " Viernes ";
		break;
, -		case 6: dayString += " Sabado ";
t ·		break;
		case 7: dayString += " Domingo ";
		break;
case /: dayString += "	case /: dayString += " Domingo";	default:
<pre>case 7: dayString</pre>	<pre>case 7: dayString += " Domingo"</pre>	<pre>int day = 5; String dayString = " Hoy es "; switch ( day ) {   case 1: dayString += " Lunes ";   break;   case 2: dayString += " Martes ";   break;   case 3: dayString += " Miercoles ";   break;   case 4: dayString += " Jueves ";   break;   case 5: dayString += " Viernes ";   break;   case 6: dayString += " Sabado ";   break;   case 7: dayString += " Domingo ";</pre>

<nuevoid> -&gt; <id> <opasi> <nuevopesp></nuevopesp></opasi></id></nuevoid>	<nuevacomilla> -&gt; <opesp> <opesp> <nuevopesp></nuevopesp></opesp></opesp></nuevacomilla>	
package UNPA ;	package UNPA ;	
public class Switch_Project{	public class Switch_Project{	<nuevoparen> -&gt; <opesp> <id> <nuevopesp></nuevopesp></id></opesp></nuevoparen>
public static void main (String [] args) {	public static void main ( String [ ] args ) {	package UNPA ;
int day = 5 ;	int day = 5 ;	• •
String dayString = " Hoy es ";	String dayString = " Hoy es ";	public class Switch_Project{
switch ( day ) {	switch ( day ) {	public static void main ( String [ ] args ) {
case 1: dayString += " Lunes ";	case 1: dayString += " Lunes ";	int day = 5;
break;	break;	<u> </u>
case 2: dayString += " Martes ";	case 2: dayString += " Martes ";	String dayString = " Hoy es ";
break;	break;	switch ( day ) {
case 3: dayString += " Miercoles ";	case 3: dayString += " Miercoles ";	case 1: dayString += " Lunes";
break;	break;	:
case 4: dayString += " Jueves ";	case 4: dayString += " Jueves ";	break;
break; case 5: dayString += " Viernes ";	break; case 5: dayString += " Viernes ";	case 2: dayString += " Martes ";
break;	break;	break;
case 6: dayString += " Sabado ";	case 6: dayString += " Sabado ";	case 3: dayString += " Miercoles";
break;	break;	
case 7: dayString += " Domingo ";	case 7: dayString += " Domingo ";	break;
break;	break;	case 4: dayString += " Jueves ";
default: dayString +=	default: dayString += " Dia invalido ";	break;
<nuevopesp> -&gt; <opesp> <cadena> <nuevacomilla></nuevacomilla></cadena></opesp></nuevopesp>	<nuevopesp> -&gt; <opesp> <palre> <nuevoparen></nuevoparen></palre></opesp></nuevopesp>	
package UNPA ;	package UNPA ;	case 5: dayString += " Viernes";
public class Switch_Project{	<pre>public class Switch_Project{   public static void main ( String [ ] args ) {</pre>	break;
public static void main (String [] args) {	int day = 5;	case 6: dayString += " Sabado ";
int day = 5;	String dayString = " Hoy es ";	:
String dayString = " Hoy es "; switch ( day ) {	switch ( day ) {	break;
case 1: dayString += " Lunes ";	case 1: dayString += " Lunes ";	case 7: dayString += " Domingo ";
break;	break;	break;
case 2: dayString += " Martes ";	case 2: dayString += " Martes "; break;	:
break;	case 3: dayString += " Miercoles ";	default: dayString += " Dia invalido ";
case 3: dayString += " Miercoles ";	break;	}
break;	case 4: dayString += " Jueves ";	println (dayString
case 4: dayString += " Jueves ";	break;	printin (daysting
break;	case 5: dayString += " Viernes ";	
case 5: dayString += " Viernes ";	break; case 6: dayString += " Sabado ";	
break;	break;	
case 6: dayString += " Sabado ";	case 7: dayString += " Domingo ";	
break;	break;	
case 7: dayString += " Domingo ";	default: dayString += " Dia invalido ";	
break;	}	
default: dayString += " Dia invalido	println	

```
<NUEVOPESP> -> <OPESP> <NUEVALLAVE>
package UNPA;
public class Switch_Project{
public static void main ( String [] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes";
break;
case 2: dayString += " Martes ";
break;
case 3: dayString += " Miercoles";
break;
case 4: dayString += " Jueves ";
break;
case 5: dayString += " Viernes";
break;
case 6: dayString += " Sabado ";
break;
case 7: dayString += " Domingo ";
break;
default: dayString += " Dia invalido ";
println (dayString);
```

```
<NUEVALLAVE> -> <OPESP> <OPESP>
package UNPA;
public class Switch_Project{
public static void main ( String [] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes";
break;
case 2: dayString += " Martes ";
break;
case 3: dayString += " Miercoles ";
break;
case 4: dayString += " Jueves ";
break;
case 5: dayString += " Viernes";
break;
case 6: dayString += " Sabado ";
break;
case 7: dayString += " Domingo ";
break;
default: dayString += " Dia invalido ";
println (dayString);
```

# 1<sup>ra</sup> PRUEBA NO VÁLIDA

#### Gramática a validar:

```
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5:
String dayString = "Hoy es";
switch (day) {
case 1: dayString += "Lunes";
break:
caso 2: dayString += " Martes ";
break:
case 3: dayString += " Miercoles ";
break:
case 4: dayString += " Jueves ";
break:
case 5: dayString += "Viernes";
break:
case 6: dayString += "Sabado";
break:
case 7: dayString += "Domingo";
break:
default: dayString += " Dia invalido ";
break;
println (dayString);
```

```
S-> <PAQUETE> <CLASE>
<PAQUETE> -> <PALRE> <ID> <OPESP>
package UNPA;
<CLASE> -> <PALRE> <PALRE> <NUEVACLASE>
package UNPA;
public class
<NUEVACLASE> -> <ID> <OPESP> <METODO>
package UNPA;
public class Switch Project {
<METODO> -> <PALRE> <PALRE> <NUEVAPALRE>
package UNPA;
public class Switch Project{
public static
<NUEVAPALRE> -> <PALRE> <MAIN>
package UNPA;
public class Switch Project{
public static void
<MAIN> -> <ID> <OPESP> <NUEVAPALRE>
package UNPA;
public class Switch Project{
public static void main (
<NUEVAPALRE> -> <PALRE> <OPESP> <NUEVOPESP>
package UNPA;
public class Switch Project{
public static void main (String [
<NUEVOPESP> -> <OPESP> <ID> <OTROPESP>
package UNPA;
public class Switch_Project{
public static void main (String [] args
<OTROPESP> -> <OPESP> <OPESP> <VARIABLE>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
```

```
<VARIABLE> -> <PALRE> <ID> <NUEVOPASI>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day
<NUEVOPASI> -> <OPASI> <DIGITO> <NUEVOPESP>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5
<NUEVOPESP> -> <OPESP> <PALRE> <NUEVOID>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String
<NUEVOID> -> <ID> <OPASI> <NUEVOPESP>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString =
<NUEVOPESP> -> <OPESP> <CADENA> <NUEVACOMILLA>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es
<NUEVACOMILLA> -> <OPESP> <NUEVOPESP>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es "
```

<nuevopesp> -&gt; <opesp> <switch></switch></opesp></nuevopesp>
package UNPA ;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5 ;
String dayString = " Hoy es ";
<switch> -&gt; <palre> <opesp> <nuevoid></nuevoid></opesp></palre></switch>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (
<nuevoid> -&gt; <id> <opesp> <nuevopesp></nuevopesp></opesp></id></nuevoid>
<pre>package UNPA ; public class Switch_Project{</pre>
public static void main ( String [ ] args ) {
int day = $5$ ;
String dayString = " Hoy es ";
switch ( day )
<nuevopesp> -&gt; <opesp> <caso></caso></opesp></nuevopesp>
package UNPA ;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch ( day ) {
<caso> -&gt; <palre> <digito> <nuevopesp></nuevopesp></digito></palre></caso>
package UNPA ;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = $5$ ;
String dayString = " Hoy es ";
switch ( day ) {
case 1

```
<NUEVOPESP> -> <OPESP> <ID> <NUEVOPASI>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString
<NUEVOPASI> -> <OPASI> <OPESP> <NUEVACADENA>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += "
<NUEVACADENA> -> <CADENA> <OPESP> <NUEVOPESP>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes "
<NUEVOPESP> -> <OPESP> <BREAK>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes ";
```

```
<BREAK> -> <PALRE> <OPESP> <CASO>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes";
break;
<CASO> -> <PALRE> <DIGITO> <NUEVOPESP>
package UNPA;
public class Switch Project{
public static void main ( String [] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
case 1: dayString += " Lunes";
break;
caso
```

ERROR: caso no existe en las PALRE de la gramática.

# 2<sup>da</sup> PRUEBA NO VÁLIDA

#### Gramática a validar:

```
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = "Hoy es";
switch (day) {
case 1: dayStrin += "Lunes";
break:
case 2: dayString += " Martes ";
break:
case 3: dayString += " Miercoles ";
break:
case 4: dayString += " Jueves";
break:
case 5: dayString += "Viernes";
break:
case 6: dayString += "Sabado";
break:
case 7: dayString += "Domingo";
break:
default: dayString += "Dia invalido";
break;
println (dayString);
```

```
S-> < PAQUETE > < CLASE >
<PAQUETE> -> <PALRE> <ID> <OPESP>
package UNPA;
<CLASE> -> <PALRE> <PALRE> <NUEVACLASE>
package UNPA;
public class
<NUEVACLASE> -> <ID> <OPESP> <METODO>
package UNPA;
public class Switch Project {
<METODO> -> <PALRE> <PALRE> <NUEVAPALRE>
package UNPA;
public class Switch Project{
public static
<NUEVAPALRE> -> <PALRE> <MAIN>
package UNPA;
public class Switch Project{
public static void
<MAIN> -> <ID> <OPESP> <NUEVAPALRE>
package UNPA;
public class Switch_Project{
public static void main (
<NUEVAPALRE> -> <PALRE> <OPESP> <NUEVOPESP>
package UNPA;
public class Switch Project{
public static void main (String [
<NUEVOPESP> -> <OPESP> <ID> <OTROPESP>
package UNPA;
public class Switch_Project{
public static void main (String [] args
<OTROPESP> -> <OPESP> <VARIABLE>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
```

```
<VARIABLE> -> <PALRE> <ID> <NUEVOPASI>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day
<NUEVOPASI> -> <OPASI> <DIGITO> <NUEVOPESP>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5
<NUEVOPESP> -> < OPESP> < PALRE> < NUEVOID>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String
<NUEVOID> -> <ID> <OPASI> <NUEVOPESP>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString =
<NUEVOPESP> -> <OPESP> <CADENA> <NUEVACOMILLA>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es
<NUEVACOMILLA> -> <OPESP> <NUEVOPESP>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es "
```

```
<NUEVOPESP> -> <OPESP> <SWITCH>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
<SWITCH> -> <PALRE> <OPESP> <NUEVOID>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (
<NUEVOID> -> <ID> <OPESP> <NUEVOPESP>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day)
<NUEVOPESP> -> <OPESP> <CASO>
package UNPA;
public class Switch Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day) {
<CASO> -> <PALRE> <DIGITO> <NUEVOPESP>
package UNPA;
public class Switch_Project{
public static void main ( String [ ] args ) {
int day = 5;
String dayString = " Hoy es ";
switch (day){
case 1
```

```
<NUEVOPESP> -> <OPESP> <ID> <NUEVOPASI>
package UNPA;
public class Switch_Project{
public static void main ( String [] args ) {
int day = 5;
String dayString = " Hoy es ";
switch ( day ) {
case 1: dayStrin
```

ERROR: dayStrin no existe en las ID de la gramática.