```
package UNPA.Winform.Compiladores;


public class while project{    public
static void main(String []args){

        int x=1;
while(x<=4){

        system.out.prinln("valor de x:"+x);

        x++;

        }

    }
}
ID={project,main,string,args,x}
OPREL= {>=}
OPARI={+}
OPASI={=}
OPESP={{,},(,),;}
PALRE={pakage,public,class,static,void,while,int}
OPIND={++}
ERROR=ERROR


P={S->PKG

        PKG = PALRE ID PKGR

        PKGR     -> OPESP CLASS

        CLASS    -> PALRE PALRE CLASSR

        CLASSR    -> ID OPESP METHOD

        METHOD    -> PALRE PALRE METHODR

        METHODR  -> PALRE METHODRDR

        METHODRDR -> ID OPESP MAIN
```

MAIN   -> PALRE OPESP MAINR

MAINR   -> OPESP ID MAINRDR

MAINRDR   -> OPESP OPESP INICOD

INICOD   -> PALRE ID INICODR

INICODR   -> OPASI DIGIT

DIGIT   -> DIGIT DELIMIT

DELIMIT   -> OPESP WHILE

WHILE   -> PALRE OPESP WHILER

WHILER   -> ID WHILERDR

WHILERDR -> OPREL DIGIT

DIGIT   -> DIGIT OPESP WHILECONT

WHILECONT -> OPESP PALRE PRINT

PRINT   -> OPESP OPESP CADENA

CADENA   -> CADENA MAS

MAS   -> OPARI ID PRINTR

PRINTR   -> OPESP OPESP INCREMENT

INCREMENT -> ID INCREMENTR

INCREMENTR-> OPIND OPES CIERRE

CIERRE   -> OPESP OPESP OPESP

}

P={S->PKG

Pakage ID PKGR

Pakage compiladores PKGR

Pakage compiladores ; CLASS

Pakage compiladores ; public PALRE

Pakage compiladores ; public class CLASSR

Pakage compiladores ; public class while ID OPESP MAIN Pakage compiladores ; public class while project { MAIN

Pakage compiladores ; public class while project { public PALRE OPESP

Pakage compiladores ; public class while project { public static OPESP

Pakage compiladores ; public class while project { public static void METHODR

Pakage compiladores ; public class while project { public static void main OPESP MAIN

Pakage compiladores ; public class while project { public static void main (string OPESP MAINR

Pakage compiladores ; public class while project { public static void main (string [MAINR

Pakage compiladores ; public class while project { public static void main (string [ ] ID MAINRDR

Pakage compiladores ; public class while project { public static void main (string [ ] args MAINRDR

Pakage compiladores ; public class while project { public static void main (string [ ] args)OPESP INICOD

Pakage compiladores ; public class while project { public static void main (string [ ] args){INICOD

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int

ID INICODR

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X INICODR

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = DIGIT

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1 DELIMIT

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; WHILE

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; while OPESP WHILER

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; while (WHILER

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; while (X WHILERDR

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; while (X <= DIGIT

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; while (X <= 4 OPESP WHILECONT

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; while (X <= 4)WHILECONT

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; while (X <= 4){PALRE PRINT

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; while (X <= 4){ println OPESP OPESP

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; while (X <= 4){ println (OPESP

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; while (X <= 4){ println (" CADENA

Pakage compiladores ; public class while project { public static void main (string [ ] args){ int X = 1; while (X <= 4){ println ("VALOR DE X; MAS

1er caso de error

P={S->PKG

      PKG = PALRE ID PKGR

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      INICOD   -> PALRE ID INICODR

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DIGIT   -> DIGIT DELIMIT

DELIMIT   -> OPESP WHILE

WHILE   -> PALRE OPESP WHILER

WHILER   -> ID WHILERDR

WHILERDR -> OPREL DIGIT

DIGIT   -> DIGIT OPESP WHILECONT

WHILECONT -> OPESP PALRE PRINT

PRINT   -> OPESP OPESP CADENA

CADENA   -> CADENA MAS

MAS   -> OPARI ID PRINTR

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INCREMENTR-> OPIND OPES CIERRE

CIERRE   -> OPESP OPESP OPESP

}

2do caso de errror

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```
MAIN      ->  PALRE OPESP MAINR

MAINR     ->  OPESP ID MAINRDR

MAINRDR   ->  OPESP OPESP INICOD

INICOMODO   -> ERROR




}
```