Programas em Linguagem PASCAL

```pascal
Program ALG01;
Begin
   WriteLn('Bom dia');
End.


Program ALG02;
Var
   X : Integer;
Begin
   ReadLn(X);
   WriteLn(X);
End.


Program ALG03;
Var
   X : Integer;
   Y : Integer;
Begin
   ReadLn(X);
   Y := X * X;
   WriteLn(Y);
End.


Program ALG04;
Var
   X : Integer;
   Y : Integer;
   Z : Integer;
Begin
   ReadLn(X);
   ReadLn(Y);
   Z := X + Y;
   WriteLn(Z);
End.


Program ALG05;
Var
   X : Integer;
   Y : Integer;
   Z : Integer;
Begin
   ReadLn(X);
   ReadLn(Y);
   Z := X * X + Y * Y;
   WriteLn(Z);
End.
```

```pascal
Program ALG06;
Var
   X : Integer;
Begin
   ReadLn(X);
   If (X > 100) Then
      WriteLn(X);
End.


Program ALG07;
Var
   X : Integer;
   Y : Integer;
   Z : Integer;
Begin
   ReadLn(X);
   ReadLn(Y);
   If (X > 100) Then
      Begin
         Z := X + Y;
         WriteLn(Z);
      End;
End.


Program ALG08;
Var
   X : Integer;
   Y : Integer;
Begin
   ReadLn(X);
   ReadLn(Y);
   If (X <= Y) Then
      WriteLn(X)
   Else
      WriteLn(Y);
End.


Program ALG09;
Var
   X : Integer;
   Y : Integer;
Begin
   ReadLn(X);
   If (X >= 10) Then
      Y := X * X
   Else
      Y := X * X * X;
   WriteLn(Y);
End.
```

```pascal
Program ALG10;
Var
   X  : Integer;
   Y  : Integer;
   N1 : Integer;
   N2 : Integer;
Begin
   ReadLn(X);
   ReadLn(Y);
   If (X > Y) Then
      Begin
         N1 := Y;
         N2 := X;
      End
   Else
      Begin
         N1 := X;
         N2 := Y;
      End;
   WriteLn(N1);
   WriteLn(N2);
End.


Program ALG11;
Var
   X : Integer;
   I : Integer;
Begin
   X := 0;
   I := 1;
   While (I <= 10) Do
      Begin
         WriteLn(X);
         X := X + 2;
         I := I + 1;
      End;
End.


Program ALG12;
Var
   X : Integer;
   I : Integer;
Begin
   X := 1;
   I := 1;
   While (I <= 10) Do
      Begin
         WriteLn(X);
         X := X * 2;
         I := I + 1;
      End;
End.
```