Codificação de Programas em FORTRAN 95

```
program ALG01
  print *, "Bom dia"
end
```

```
program ALG02
  integer :: X
  read *, X
  print *, X
end
```

```
program ALG03
  integer :: X
  integer :: Y
  read *, X
  Y = X ** 2
  print *, Y
end
```

```
program ALG04
  integer :: X
  integer :: Y
  integer :: Z
  read *, X
  read *, Y
  Z = X + Y
  print *, Z
end
```

```
program ALG05
  integer :: X
  integer :: Y
  integer :: Z
  read *, X
  read *, Y
  Z = X ** 2 + Y ** 2
  print *, Z
end
```

```
program ALG06
  integer :: X
  read *, X
  if (X > 100) then
    print *, X
  end if
end
```

```
program ALG07
  integer :: X
  integer :: Y
  integer :: Z
  read *, X
  read *, Y
  if (X > 100) then
    Z = X + Y
    print *, Z
  end if
end
```

```
program ALG08
  integer :: X
  integer :: Y
  read *, X
  read *, Y
  if (X <= Y) then
    print *, X
  else
    print *, Y
  end if
end
```

```
program ALG09
  integer :: X
  integer :: Y
  read *, X
  if (X >= 10) then
    Y = X ** 2
  else
    Y = X ** 3
  end if
  print *, Y
end
```

```
program ALG10
  integer :: X
  integer :: Y
  integer :: N1
  integer :: N2
  read *, X
  read *, Y
  if (X > Y) then
    N1 = Y
    N2 = X
  else
    N1 = X
    N2 = Y
  end if
  print *, N1
  print *, N2
end
```

```
program ALG11
  integer :: X
  integer :: I
  X = 0
  I = 1
  do
    if (.not. I <= 10) exit
    print *, X
    X = X + 2
    I = I + 1
  end do
end
```

```
program ALG12
  integer :: X
  integer :: I
  X = 1
  I = 1
  do
    if (.not. I <= 10) exit
    print *, X
    X = X * 2
    I = I + 1
  end do
end
```

Material exclusivo de uso dos alunos do Prof. Augusto Manzano