

LATIHAN ARRAY, FOR TO DO, DOWN TO, WHILE DO

1.

```
program latihan_array;  
var  
a : integer;  
nilai : array[0..1,0..1] of integer;  
begin  
a := 15 mod 2 + 25 mod 5;  
nilai[0,0]:=a;  
  
write(nilai[0,0]);  
end.
```

2.

```
program latihan_array;  
var  
a : integer;  
b: integer;  
nilai : array[0..1,0..1] of integer;  
begin  
a := 30 mod 8 - 25 mod 5;  
b:= 3*2;  
nilai[0,0]:=a;  
nilai[0,1]:=b-a;  
  
write(nilai[0,1]+b);  
end.
```

3.

```
program test;  
var i,x,b:integer;  
begin  
x:=3;  
b :=390 mod 2;  
for i:=b to x do  
begin writeln(i+1);  
end;  
end.
```

4.

```
program test;  
var i,b,c:integer;  
begin  
  
    b :=4;  
    c:=0;  
    for i:=2 to b do  
begin  
    c:= c+1;  
end;  
write(c)  
end.
```

- a. 3
- b. 2
- c. 4

- d. 1
- e. 0

5.

```
program test;  
var i,b,a:integer;  
begin  
  
    b:=1;  
    for i:=0 to 3 do  
begin  
    b:= b*2;  
    a:= b;  
end;  
write(a)  
end.
```

- a. 4
- b. 2
- c. 16

- d. 8
- e. 10

6.

```
var
awal, akhir, i: longint;
jumlah: longint;
begin
awal:=5;
akhir:=12;
jumlah := 0;
for i := awal to akhir do
begin
jumlah := jumlah + i;
end;
writeln(jumlah);
end.
```

- a. 35
- b. 45
- c. 56

- d. 68
- e. 81

7.

```
program test;
var i,b,a:integer;
begin

b:=1;
for i:=3 downto 1 do
begin
b:= b*3;
a:= b;
end;
write(a)
end.
```

8.

```
var
awal, akhir, i: longint;
jumlah: longint;
begin
awal:=12;
akhir:=10;
jumlah := 2 mod 1;
for i := awal downto akhir do
begin
jumlah := jumlah + i;
end;
writeln(jumlah);
end.
```

9.

```
begin
awal:=3;
akhir:=5;
jumlah := 0;
i := awal;
while (i <= akhir) do begin
jumlah := jumlah + i;
i := i + 1;
end;
writeln(jumlah);
end.
```