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Praktikum 8A
- Source Code

```pascal
Program Belajar_fungsi;

var
    n, hasil :integer;

Function Pangkat2 :integer;
begin
    Pangkat2 := n*n;
end;

begin
    write('N = '); readln(n);
    hasil := Pangkat2;
    writeln('Pangkat 2 dari ', n,' = ', hasil);
    readln;
end.
```

- Output

```
Compiling Praktikum8A.pas
Linking Praktikum8A.exe
15 lines compiled, 0.0 sec, 30720 bytes code, 1332 bytes data
N = 9
Pangkat 2 dari 9 = 81
```

Praktikum 8B
- Source Code

```pascal
Program Belajar_fungsi;

var
    n, hasil :integer;

Function Pangkat2(a :integer) :integer;
begin
    Pangkat2 := a*a;
end;

begin
    write('N = '); readln(n);
    hasil := pangkat2(n);
    writeln('Pangkat 2 dari ', n, ' = ', hasil);
```

```
        readln
end.
```

- Output

```
Compiling Praktikum8B.pas
Linking Praktikum8B.exe
15 lines compiled, 0.0 sec, 30720 bytes code, 1332 bytes data
N = 12
Pangkat 2 dari 12 = 144
```

Praktikum 8C
- Source Code

```pascal
Program Belajar_Prosedur;

var
    n, hasil :integer;

Procedure Pangkat2;
begin
    hasil := n*n;
end;

begin
    write('N = '); readln(n);
    pangkat2;
    writeln('Pangkat 2 dari ', n, ' = ', hasil);
    readln
end.
```

- Ouput

```
Compiling Praktikum8C.pas
Linking Praktikum8C.exe
15 lines compiled, 0.0 sec, 30704 bytes code, 1332 bytes data
N = 25
Pangkat 2 dari 25 = 625
```

Praktikum 8D
- Source Code

```pascal
Program Belajar_Prosedur;

var
    n, hasil :integer;

Procedure Pangkat2(a :integer);
begin
    hasil := a*a;
end;
```

```
begin
    write('N = '); readln(n);
    pangkat2(n);
    writeln('Pangkat 2 dari ', n, ' = ', hasil);
    readln
end.
```

- Output

```
Compiling Praktikum8D.pas
Linking Praktikum8D.exe
15 lines compiled, 0.0 sec, 30704 bytes code, 1332 bytes data
N = 6
Pangkat 2 dari 6 = 36
```

Praktikum 8E
- Source Code

```
{Contoh program yang menunjukkan perbedaan transfer parameter
By Value dan By Location}

Program Contoh8E;
var
    x, y :integer;

procedure subpro(a :integer; var b :integer);
var c :integer;
begin
    c:=a; a:=b; b:=c;
end;

begin
    x:=5; y:=23;
    subpro(x, y);
    writeln('tranfer by value:    x= ', x);
    writeln('tranfer by location: y= ', y);
end.
```

- Output

```
Compiling Praktikum8E.pas
Linking Praktikum8E.exe
18 lines compiled, 0.0 sec, 28800 bytes code, 1316 bytes data
tranfer by value:    x= 5
tranfer by location: y= 5
```