Nama   : Muh. Nur Afrizal

No / NIM   : 24 / 222212738

Kelas   : 1KS3

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 (N = 3)

```
Free Pascal Compiler version 3.2.2 [2021/05/15] for i386
Copyright (c) 1993-2021 by Florian Klaempfl and others
Target OS: Win32 for i386
Compiling Praktikum8A.pas
Linking Praktikum8A.exe
14 lines compiled, 0.1 sec, 30720 bytes code, 1332 bytes data
 N= 3
 Pangkat 2 dari 3= 9
```

Nama : Muh. Nur Afrizal

No / NIM : 24 / 222212738

Kelas : 1KS3

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 (N = 3)

```
Free Pascal Compiler version 3.2.2 [2021/05/15] for i386
Copyright (c) 1993-2021 by Florian Klaempfl and others
Target OS: Win32 for i386
Compiling tempCodeRunnerFile.pas
Linking tempCodeRunnerFile.exe
14 lines compiled, 0.1 sec, 30720 bytes code, 1332 bytes data
 N= 3
 Pangkat 2 dari 3= 9
```

Nama : Muh. Nur Afrizal

No / NIM : 24 / 222212738

Kelas : 1KS3

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.
```

- Output (N = 3)

```
Free Pascal Compiler version 3.2.2 [2021/05/15] for i386
Copyright (c) 1993-2021 by Florian Klaempfl and others
Target OS: Win32 for i386
Compiling Praktikum8C.pas
Linking Praktikum8C.exe
14 lines compiled, 0.1 sec, 30704 bytes code, 1332 bytes data
 N= 3
 Pangkat 2 dari 3= 9
```

Nama	: Muh. Nur Afrizal
No / NIM	: 24 / 222212738
Kelas	: 1KS3

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 (N = 3)

```
Free Pascal Compiler version 3.2.2 [2021/05/15] for i386
Copyright (c) 1993-2021 by Florian Klaempfl and others
Target OS: Win32 for i386
Compiling Praktikum8D.pas
Linking Praktikum8D.exe
14 lines compiled, 0.1 sec, 30704 bytes code, 1332 bytes data
 N= 3
 Pangkat 2 dari 3= 9
```

Transfer Parameter (Pass by Value dan Pass by Refference)

- Source Code

```pascal
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

```
Free Pascal Compiler version 3.2.2 [2021/05/15] for i386
Copyright (c) 1993-2021 by Florian Klaempfl and others
Target OS: Win32 for i386
Compiling tempCodeRunnerFile.pas
Linking tempCodeRunnerFile.exe
17 lines compiled, 0.1 sec, 28800 bytes code, 1316 bytes data
tranfer by value:    x= 5
tranfer by location: y= 5
```