Nama : Farhan Adi Suripto
NIM : 222212596
Kelas : 1KS3

Praktikum 10A

- Source Code

```
program praktikum10A;

var
    A: array[0..9] of Real;
    B: array[-10..20] of String;
    C: array['a'..'j'] of Boolean;
    X : array[1..10] of Integer;

begin
    X[1] := 10; {array X indeks pertama kita isi nilai 10}
    X[2]  :=  X[1]  -  5;  {array  X  indeks  kedua  kita  isi  nilai
    array X indeks pertama dikurangi 5 yang mana hasilnya adalah
    5}
    X[3] := X[2] + X[1];
    Writeln(X[3]);
    Writeln(X[13]);
    Writeln(A[10]);
end.
```

- Output

```
Linking praktikum10A.exe
17 lines compiled, 0.1 sec, 37280 bytes code, 2484 bytes data

3 warning(s) issued
2 note(s) issued
15
0
 3.1830098764850570E-313
```

Praktikum 10B

- Source Code

```
Program praktikum10B;
Var
    X : array[1..10] of Integer;
    Terbesar: Integer;
    i : Integer;
Begin
    For i:=1 to 10 do Begin
        Write('Input data ke-', i,'= ');
        Readln(X[i]);
    End;
```

```
    Terbesar := X[1];
    For i:=2 to 10 do Begin
        If X[i] > Terbesar then Terbesar := X[i];
    End;
    Writeln(Terbesar);
    Readln;
End.
```

- Output

```
Compiling praktikum10B.pas
Linking praktikum10B.exe
17 lines compiled, 0.1 sec, 30800 bytes code, 1332 bytes dat
a
Input data ke-1= 4
Input data ke-2= 6
Input data ke-3= 8
Input data ke-4= 1
Input data ke-5= 3
Input data ke-6= 9
Input data ke-7= 5
Input data ke-8= 2
Input data ke-9= 87
Input data ke-10= 3
87
```

Praktikum 10C

- Source Code

```
Program penjum_matriks;
var
    a,b,c: array[1..3, 1..3] of integer;
    i,j: integer;
begin
    writeln('buat matriks A');
    for i:=1 to 3 do
        for j:=1 to 3 do begin
            write('[',i,',',j,']=');
            readln(a[i,j]);
        end;
    writeln;
    writeln('buat matriks B');
    for i:=1 to 3 do
        for j:=1 to 3 do begin
            write('[',i,',',j,']=');
            readln(b[i,j]);
        end;
    writeln;
    writeln('Matriks A');
    for i:=1 to 3 do begin
        for j:=1 to 3 do
```

```
            write(a[i,j],' ');
        writeln;
    end;
    writeln;
    writeln('Matriks B');
    for i:=1 to 3 do begin
        for j:=1 to 3 do
            write(b[i,j],' ');
        writeln;
    end;
    writeln;
    writeln('Matriks C = A+B');
    for i:=1 to 3 do begin
        for j:=1 to 3 do
            write(a[i,j]+b[i,j],' ');
        writeln;
    end;
readln;
end.
```

- Ouput

```
Linking praktikum10C.exe
40 lines compiled, 0.1 sec, 32080 bytes code, 1332 bytes dat
a
1 note(s) issued
buat matriks A
[1,1]=5
[1,2]=6
[1,3]=2
[2,1]=7
[2,2]=8
[2,3]=3
[3,1]=4
[3,2]=6
[3,3]=8

buat matriks B
[1,1]=4
[1,2]=2
[1,3]=4
[2,1]=8
[2,2]=9
[2,3]=5
[3,1]=7
[3,2]=3
[3,3]=5

Matriks A
5 6 2
7 8 3
4 6 8
```

```
Matriks B
4 2 4
8 9 5
7 3 5

Matriks C = A+B
9 8 6
15 17 8
11 9 13
```

Praktikum 10D

- Source Code

```
Program penjum_matriks;
var
    a,b,c: array[1..3, 1..3, 1..3] of integer;
    i,j,k: integer;
begin
    writeln('buat rubik A');
    for i:=1 to 3 do
        for j:=1 to 3 do
            for k:=1 to 3 do begin
                write('[',i,',',j,',',k,']=');
                readln(a[i,j,k]);
            end;
    writeln;
    writeln('buat rubik B');
    for i:=1 to 3 do
        for j:=1 to 3 do
            for k:=1 to 3 do begin
                write('[',i,',',j,',',k,']=');
                readln(b[i,j,k]);
            end;
    writeln;
    writeln('Rubik C = A+B');
    for i:=1 to 3 do
        for j := 1 to 3 do
            for k:=1 to 3 do begin
                write('[',i,',',j,',',k,']=');
                writeln(a[i,j,k]+b[i,j,k]);
            end;
readln;
end.
```

- Output

```
Linking praktikum10D.exe
29 lines compiled, 0.1 sec, 32000 bytes code, 1332 bytes dat
a
1 note(s) issued
```

```
buat rubik A
[1,1,1]=9
[1,1,2]=9
[1,1,3]=9
[1,2,1]=9
[1,2,2]=9
[1,2,3]=9
[1,3,1]=9
[1,3,2]=9
[1,3,3]=9
[2,1,1]=9
[2,1,2]=9
[2,1,3]=9
[2,2,1]=9
[2,2,2]=9
[2,2,3]=9
[2,3,1]=9
[2,3,2]=9
[2,3,3]=9
[3,1,1]=9
[3,1,2]=9
[3,1,3]=9
[3,2,1]=9
[3,2,2]=9
[3,2,3]=9
[3,3,1]=9
[3,3,2]=9
[3,3,3]=9

buat rubik B
[1,1,1]=12
[1,1,2]=12
[1,1,3]=12
[1,2,1]=12
[1,2,2]=12
[1,2,3]=12
[1,3,1]=12
[1,3,2]=12
[1,3,3]=12
[2,1,1]=12
[2,1,2]=12
[2,1,3]=12
[2,2,1]=12
[2,2,2]=12
[2,2,3]=12
[2,3,1]=12
[2,3,2]=12
[2,3,3]=12
[3,1,1]=12
[3,1,2]=12
[3,1,3]=12
[3,2,1]=12
[3,2,2]=12
[3,2,3]=12
[3,3,1]=12
[3,3,2]=12
[3,3,3]=12
```

```
Rubik C = A+B
[1,1,1]=21
[1,1,2]=21
[1,1,3]=21
[1,2,1]=21
[1,2,2]=21
[1,2,3]=21
[1,3,1]=21
[1,3,2]=21
[1,3,3]=21
[2,1,1]=21
[2,1,2]=21
[2,1,3]=21
[2,2,1]=21
[2,2,2]=21
[2,2,3]=21
[2,3,1]=21
[2,3,2]=21
[2,3,3]=21
[3,1,1]=21
[3,1,2]=21
[3,1,3]=21
[3,2,1]=21
[3,2,2]=21
[3,2,3]=21
[3,3,1]=21
[3,3,2]=21
[3,3,3]=21
```

Praktikum 10E

- Source Code

```
Program penjum_matriks;
type
    matrix = array[1..3, 1..3] of real;
var
    a,b,c: matrix;
    i,j: integer;
begin
    writeln('buat matriks A');
    for i:=1 to 3 do
        for j:=1 to 3 do begin
            write('[',i,',',j,']=');
            readln(a[i,j]);
        end;
    writeln;
    writeln('buat matriks B');
    for i:=1 to 3 do
        for j:=1 to 3 do begin
            write('[',i,',',j,']=');
            readln(b[i,j]);
```

```
        end;
    writeln;
    writeln('Matriks A');
    for i:=1 to 3 do begin
        for j:=1 to 3 do
            write(a[i,j]:0:2,' ');
        writeln;
    end;
    writeln;
    writeln('Matriks B');
    for i:=1 to 3 do begin
        for j:=1 to 3 do
            write(b[i,j]:0:2,' ');
        writeln;
    end;
    writeln;
    writeln('Matriks C = A+B');
    for i:=1 to 3 do begin
        for j:=1 to 3 do
            write((a[i,j]+b[i,j]):0:2,' ');
        writeln;
    end;
readln;
end.
```

- Output

```
Linking praktikum10E.exe
42 lines compiled, 0.1 sec, 42656 bytes code, 3396 bytes dat
a
1 note(s) issued
buat matriks A
[1,1]=7
[1,2]=7
[1,3]=7
[2,1]=7
[2,2]=7
[2,3]=7
[3,1]=7
[3,2]=7
[3,3]=7

buat matriks B
[1,1]=8
[1,2]=8
[1,3]=8
[2,1]=8
[2,2]=8
[2,3]=8
[3,1]=8
[3,2]=8
[3,3]=8
```

```
Matriks A
7.00 7.00 7.00
7.00 7.00 7.00
7.00 7.00 7.00

Matriks B
8.00 8.00 8.00
8.00 8.00 8.00
8.00 8.00 8.00

Matriks C = A+B
15.00 15.00 15.00
15.00 15.00 15.00
15.00 15.00 15.00
```