

TUGAS TEORI KONSEP PEMROGRAMAN

JILID 10



Oleh :

Nama : Rosi Arif Mulyadi

NRP : 3121522021

Prodi : D3 Teknik Informatika PENS PSDKU Sumenep

Kelas : 1 ITA D3 Sumenep

Dosen :

Lusiana Agustien M.Kom

POLITEKNIK ELEKTRONIKA NEGERI SURABAYA

Latihan

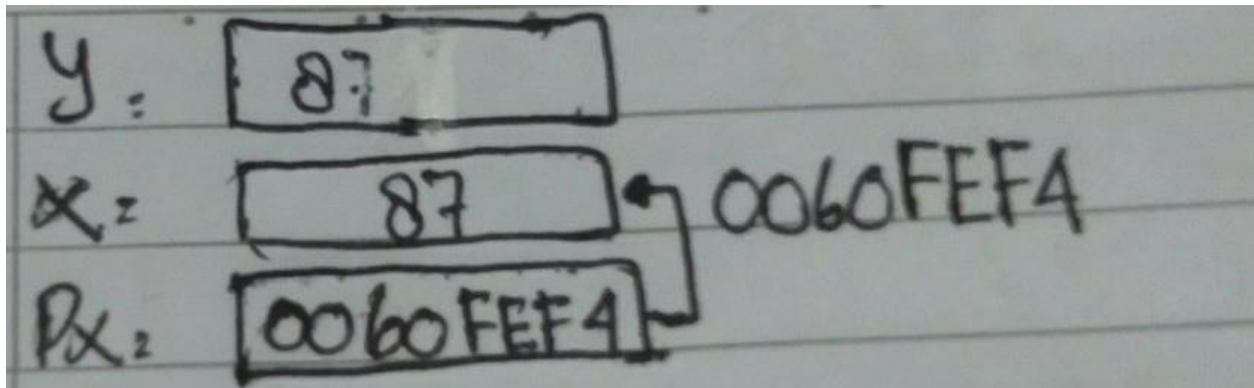
Untuk setiap program di bawah ini,

- gambarkan ilustrasi alokasi memori dari setiap baris pernyataan yang diproses
- perkirakan hasil eksekusinya

```
1. main(){  
    int y, x = 87;  
    int *px;  
  
    px = &x;  
    y = *px;  
    printf("Alamat x = %p\n", &x);  
    printf("Isi px = %p\n", px);  
    printf("Isi x = %d\n", x);  
    printf("Nilai yang ditunjuk oleh px = %d\n", *px);  
    printf("Nilai y = %d\n", y);  
}
```

Jawab :

Gambar :



Perkiraan Jawaban :

Alamat x = 0060FEF4

Isi px = 0060FEF4

Isi x = 87

Nilai yang ditunjuk oleh px = 87

Nilai y = 87

Output :

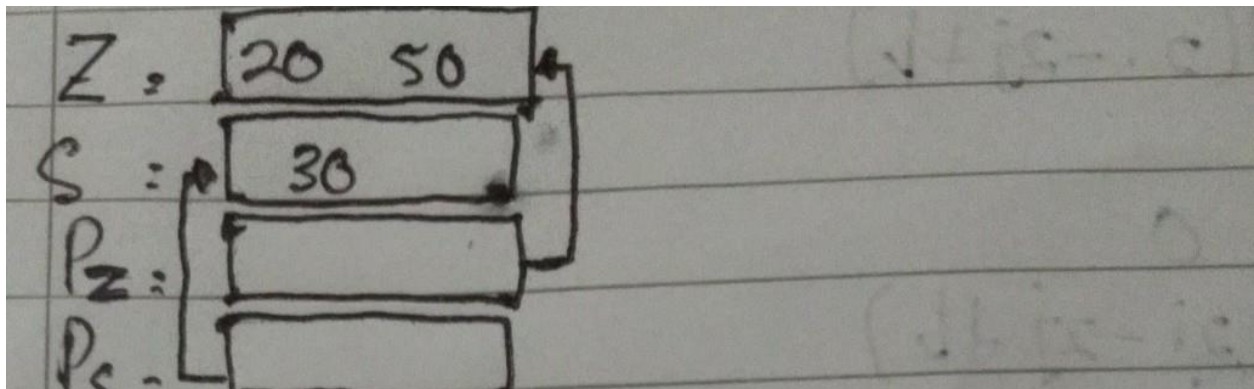
```
D:\Pointer1\bin\Debug\Pointer1.exe
Alamat x    = 000000000061FE10
Isi px     = 000000000061FE10
Isi x      = 87
Nilai yang ditunjuk oleh px = 87
Nilai y    = 87

Process returned 0 (0x0)   execution time : 0.016 s
Press any key to continue.
```

```
2. main(){
    int z = 20, s = 30, *pz, *ps;
    pz = &z;
    ps = &s;
    *pz += *ps;
    printf("z = %d\n", z);
    printf("s = %d\n", s);
}
```

Jawab :

Gambar :



Perkiraan Jawaban :

z = 50

s = 30

Output :

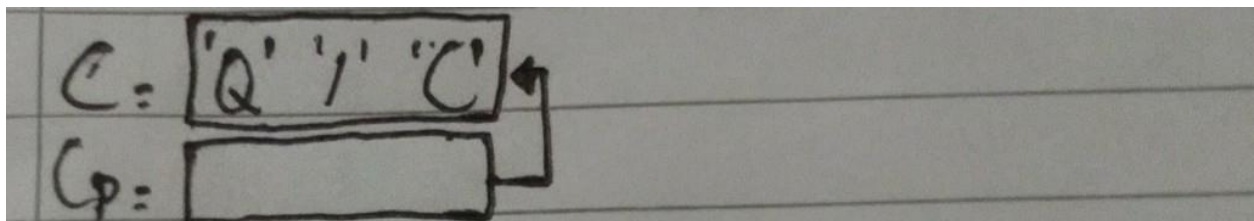
```
D:\Pointer2\bin\Debug\Pointer2.exe
z = 50
s = 30

Process returned 0 (0x0)   execution time : 0.006 s
Press any key to continue.
```

```
3. main(){
    char c = 'Q';
    char *cp = &c;
    printf("%c %c\n", c, *cp);
    c = '/';
    printf("%c %c\n", c, *cp);
    *cp = '(';
    printf("%c %c\n", c, *cp);
}
```

Jawab :

Gambar :



Perkiraan Jawaban :

Q Q

//

((

Output :

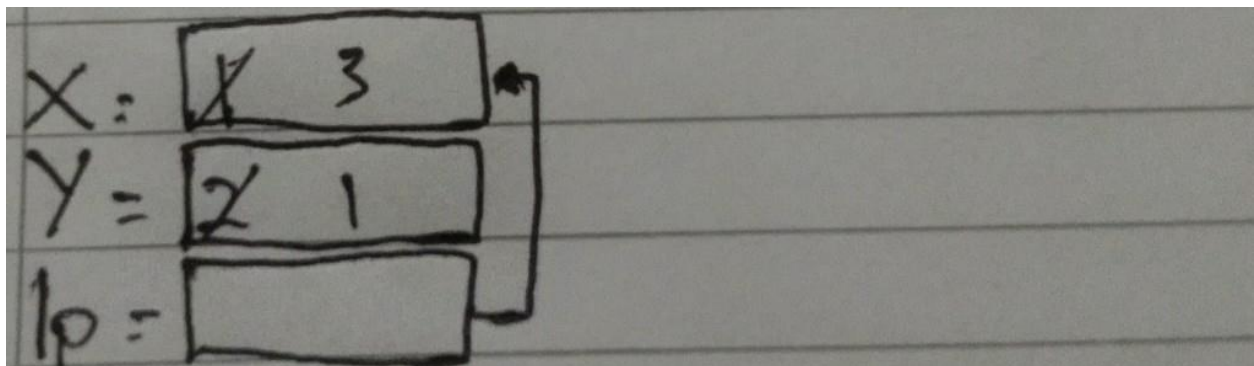
```
D:\Pointer3\bin\Debug\Pointer3.exe
Q Q
/ /
( (

Process returned 0 (0x0)   execution time : 0.000 s
Press any key to continue.
```

```
4. main() {
    int x = 1, y = 2, *ip;
    ip = &x;
    y = *ip;
    *ip = 3;
    printf("x = %d, y = %d", x, y);
}
```

Jawab :

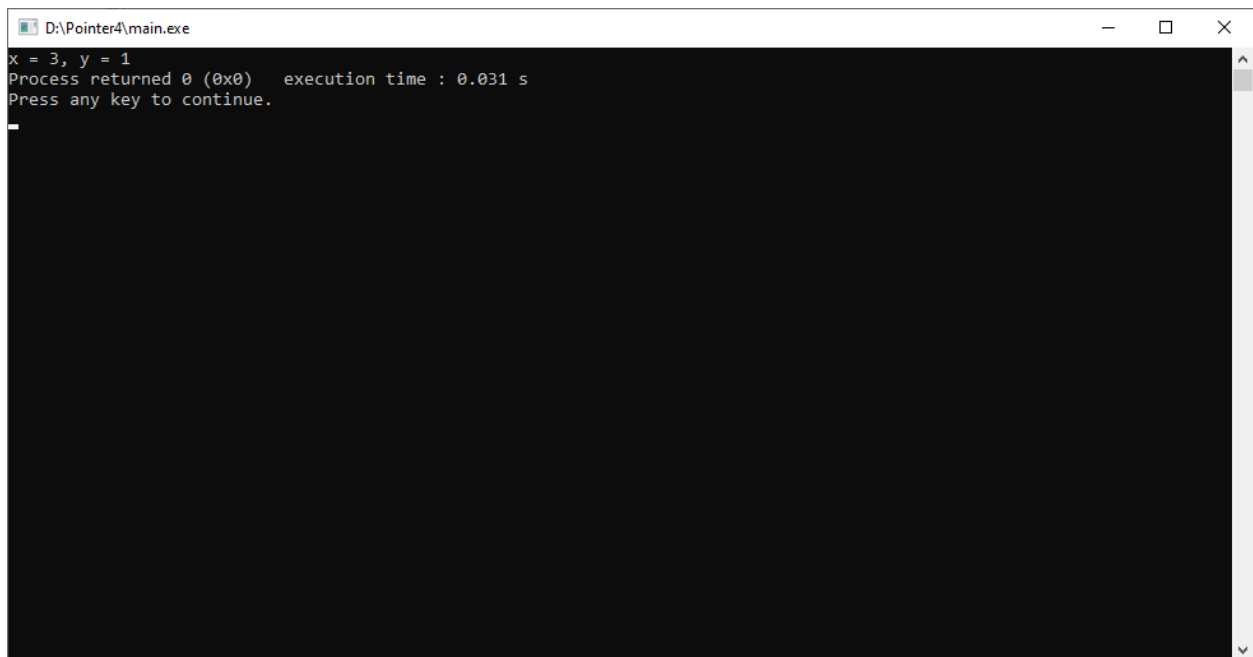
Gambar :



Perkiraan Jawaban :

`x = 3, y = 1`

Output :

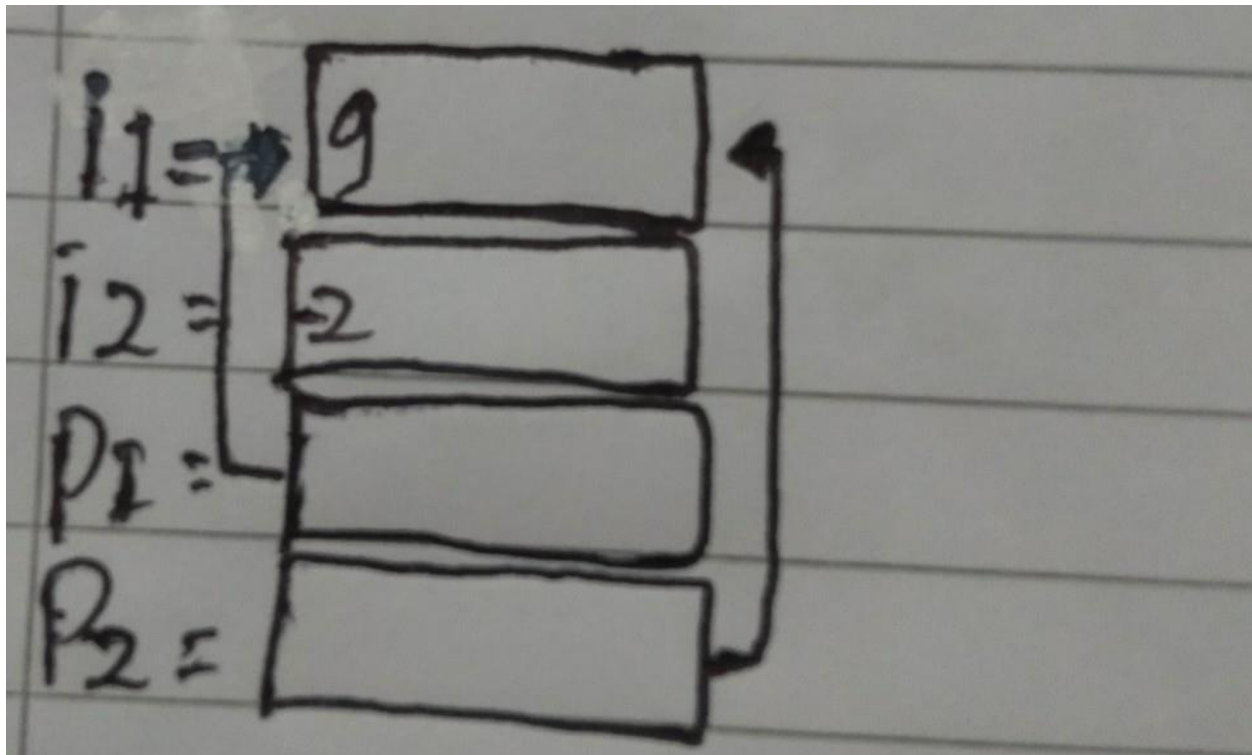


```
D:\Pointer4\main.exe
x = 3, y = 1
Process returned 0 (0x0) execution time : 0.031 s
Press any key to continue.
```

```
5. main(){
    int i1, i2, *p1, *p2;
    i1 = 9;
    p1 = &i1;
    i2 = *p1 / 2 - 2 * 3;
    p2 = p1;
    printf("i1=%d,i2=%d,*p1=%d,*p2=%d\n",i1,i2,*p1,*p2);
}
```

Jawab :

Gambar :



Perkiraan Jawaban :

`i1=9,i2=-2,*p1=9,*p2=9`

Output :

```
D:\Pointer5\bin\Debug\Pointer5.exe
i1=9,i2=-2,*p1=9,*p2=9
Process returned 0 (0x0)   execution time : 0.041 s
Press any key to continue.
```

6. `main()` {

`int count = 10, *temp, sum = 7;`

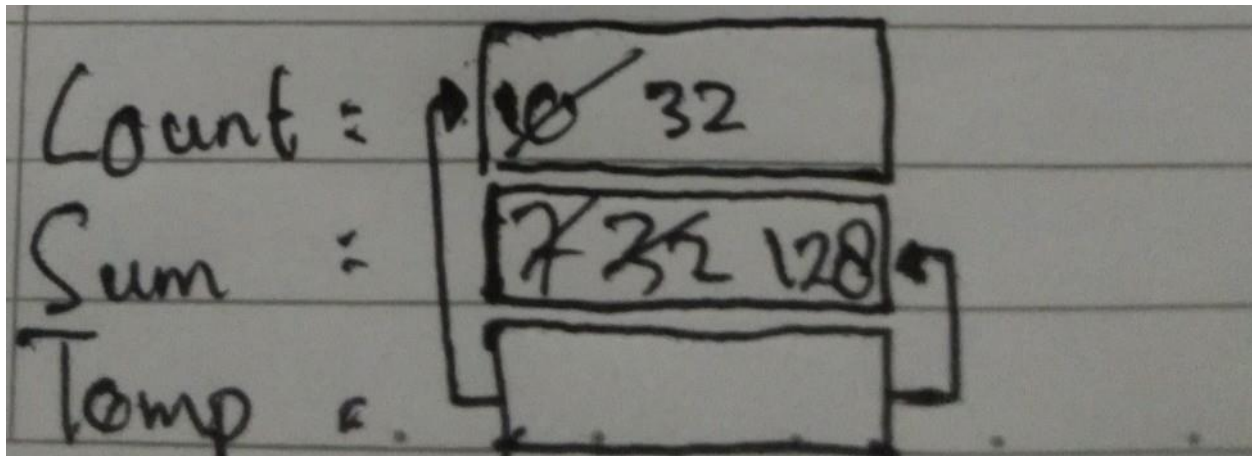
```

temp = &count;
*temp = 32;
temp = &sum;
*temp = count;
sum = *temp * 4;
printf("count = %d, *temp = %d, sum = %d\n", count,*temp, sum );
}

```

Jawab :

Gambar :



Perkiraan Jawaban :

count=32, *temp=128, sum=128

Output :

```

D:\Pointer6\bin\Debug\Pointer6.exe
count = 32, *temp = 128, sum = 128
Process returned 0 (0x0)   execution time : 0.041 s
Press any key to continue.

```



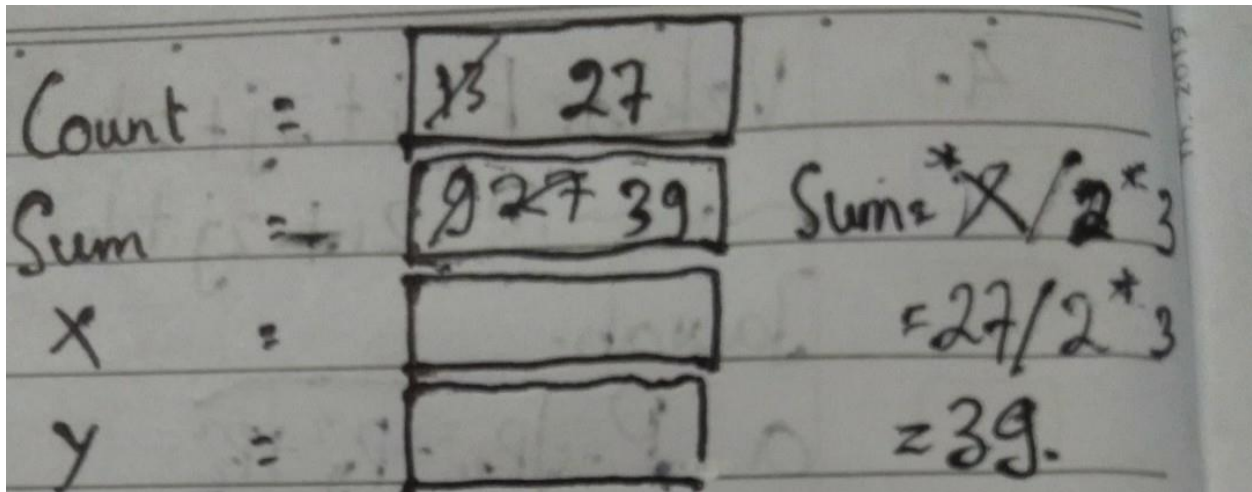
```

7. main(){
    int count = 13, sum = 9, *x, *y;
    x = &count;
    *x = 27;
    y = x;
    x = &sum;
    *x = count;
    sum = *x / 2 * 3;
    printf("count = %d,
sum = %d, *x = %d, *y = %d\n", count, sum, *x, *y);
}

```

Jawab :

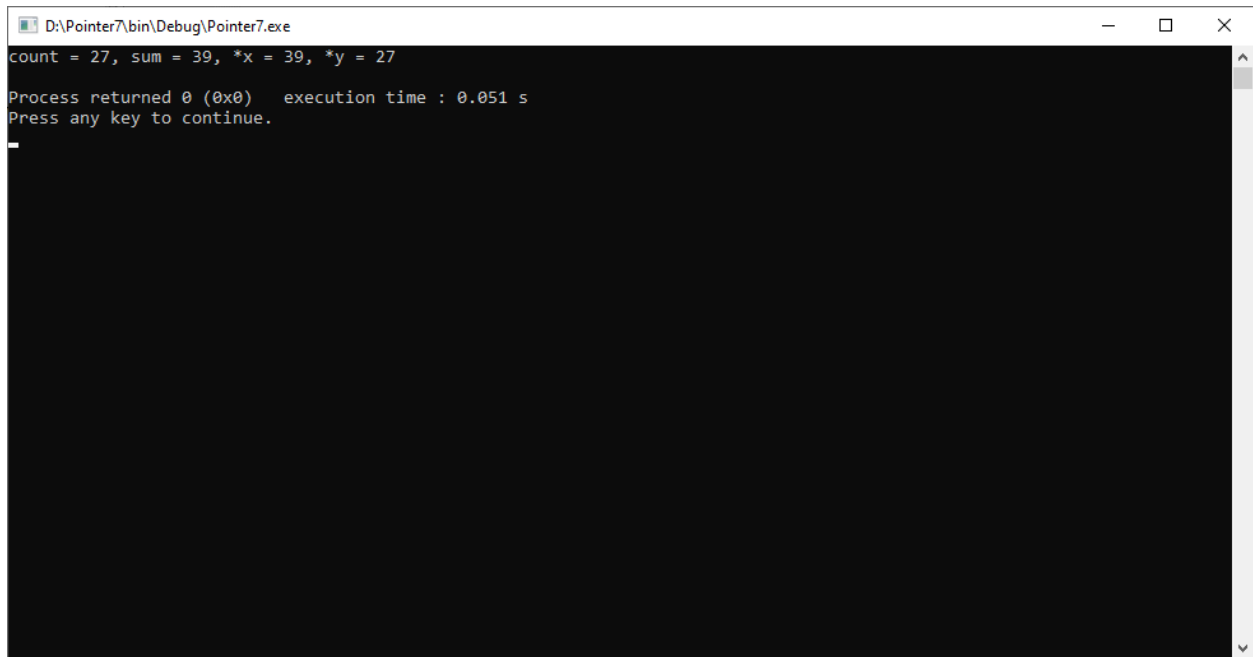
Gambar :



Perkiraan Jawaban :

count=27, sum=39, *x=39, *y=27

Output :



A screenshot of a Windows command prompt window. The title bar at the top reads "D:\Pointer7\bin\Debug\Pointer7.exe" and includes standard minimize, maximize, and close buttons. The command prompt area has a black background with white text. The first line of output is "count = 27, sum = 39, *x = 39, *y = 27". The second line is "Process returned 0 (0x0) execution time : 0.051 s". The third line is "Press any key to continue.". A small white cursor is visible on the line "Press any key to continue.". A vertical scrollbar is on the right side of the window.

```
D:\Pointer7\bin\Debug\Pointer7.exe
count = 27, sum = 39, *x = 39, *y = 27
Process returned 0 (0x0) execution time : 0.051 s
Press any key to continue.
```