TUGAS TEORI KONSEP PEMPROGRAMAN

JILID 10

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POLITEKNIK ELEKTRONIKA NEGERI SURABAYA

Latihan

Untuk setiap program di bawah ini,

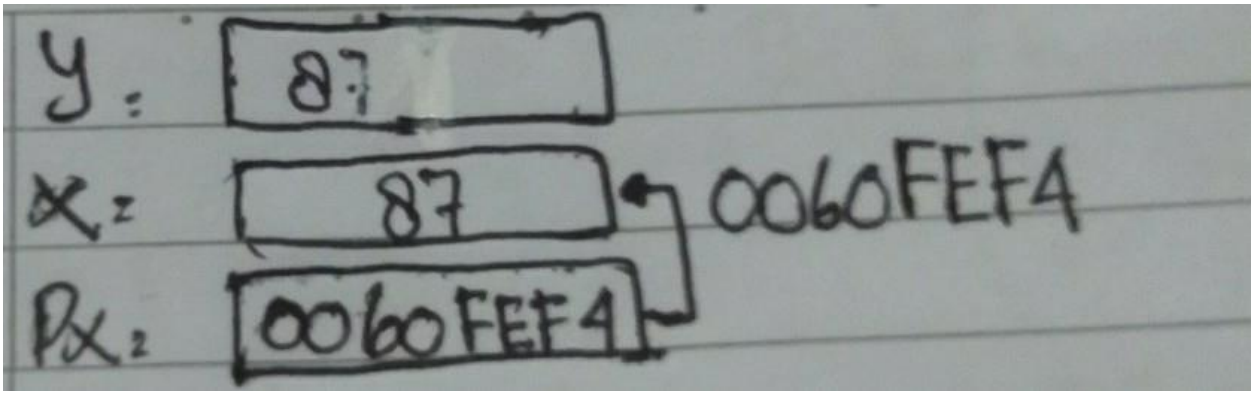
- **gambarkan ilustrasi alokasi memori dari setiap baris pernyataan yang diproses**
- **perkirakan hasil eksekusinya**

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

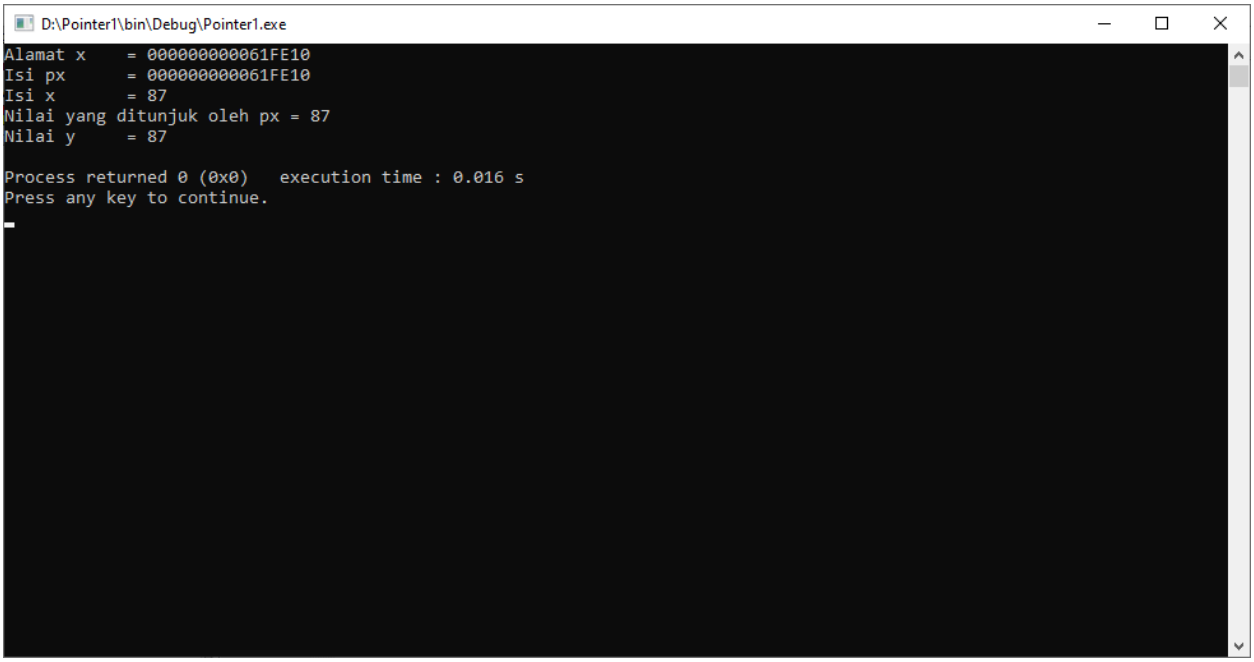
Isi px = 0060FEF4

Isi x = 87

Nilai yang ditunjuk oleh px = 87

Nilai y = 87

Output :



2. main(){

int z = 20, s = 30, *pz, *ps;

pz = &z;

ps = &s;

*pz += *ps;

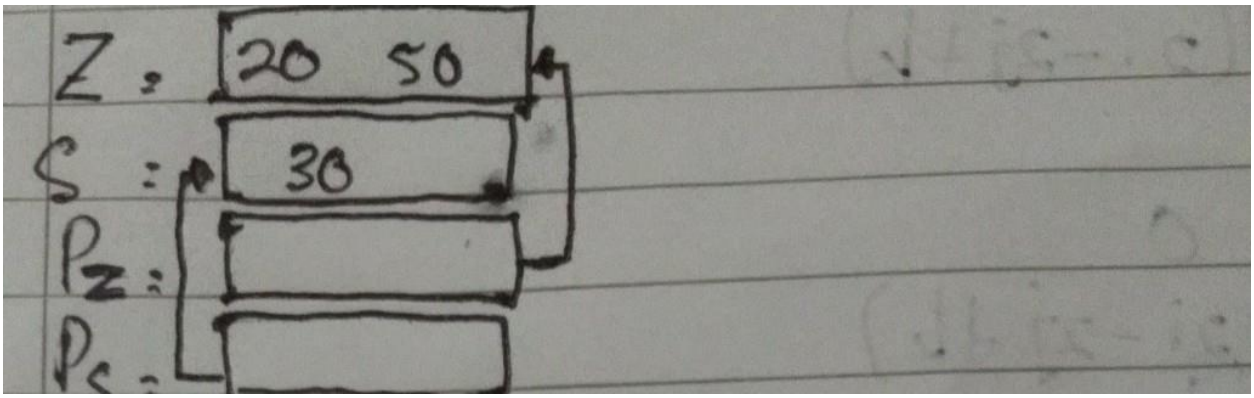
printf("z = %d\n", z);

printf("s = %d\n", s);

}

Jawab :

Gambar :

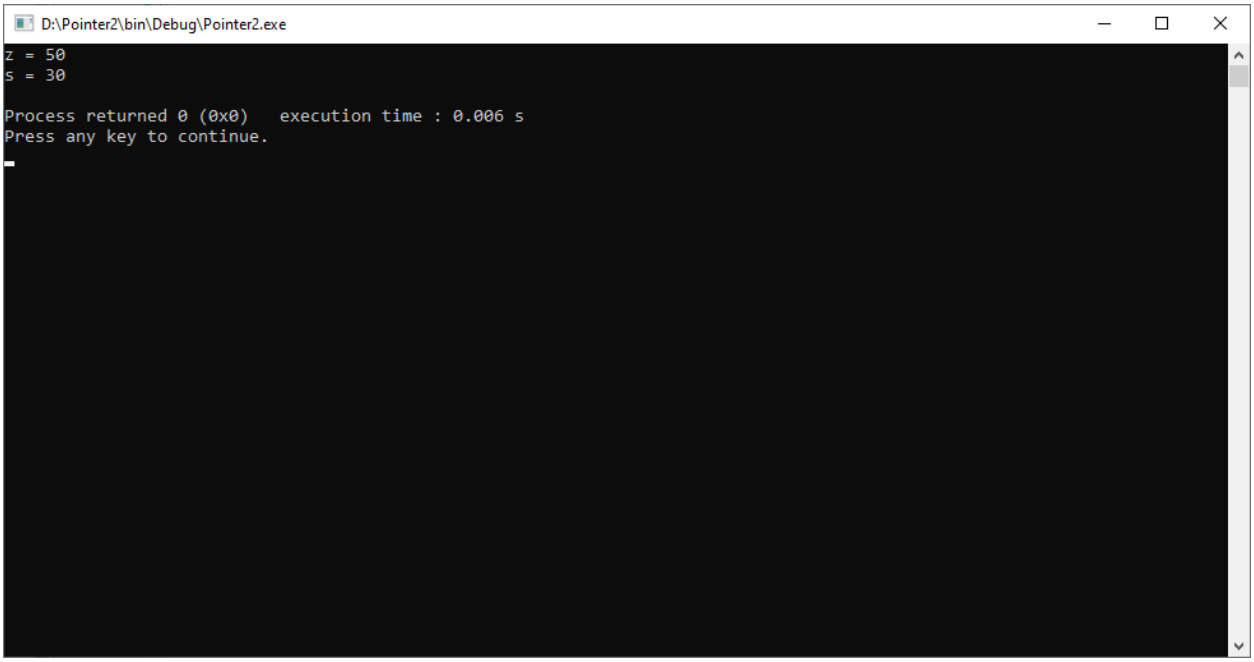


Perkiraan Jawaban :

z = 50

s = 30

Output :

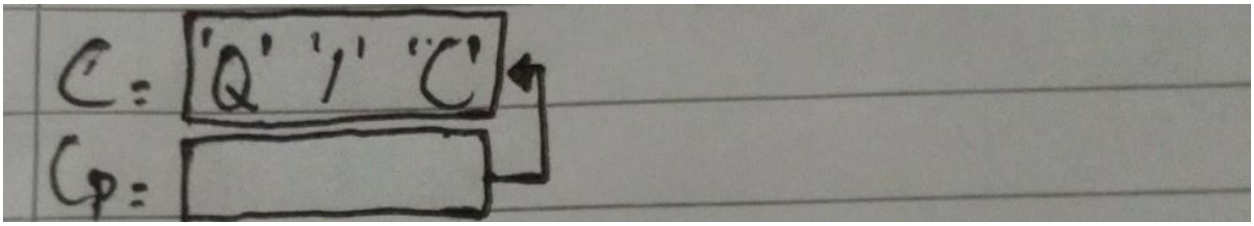


3. main(){

```
        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 :



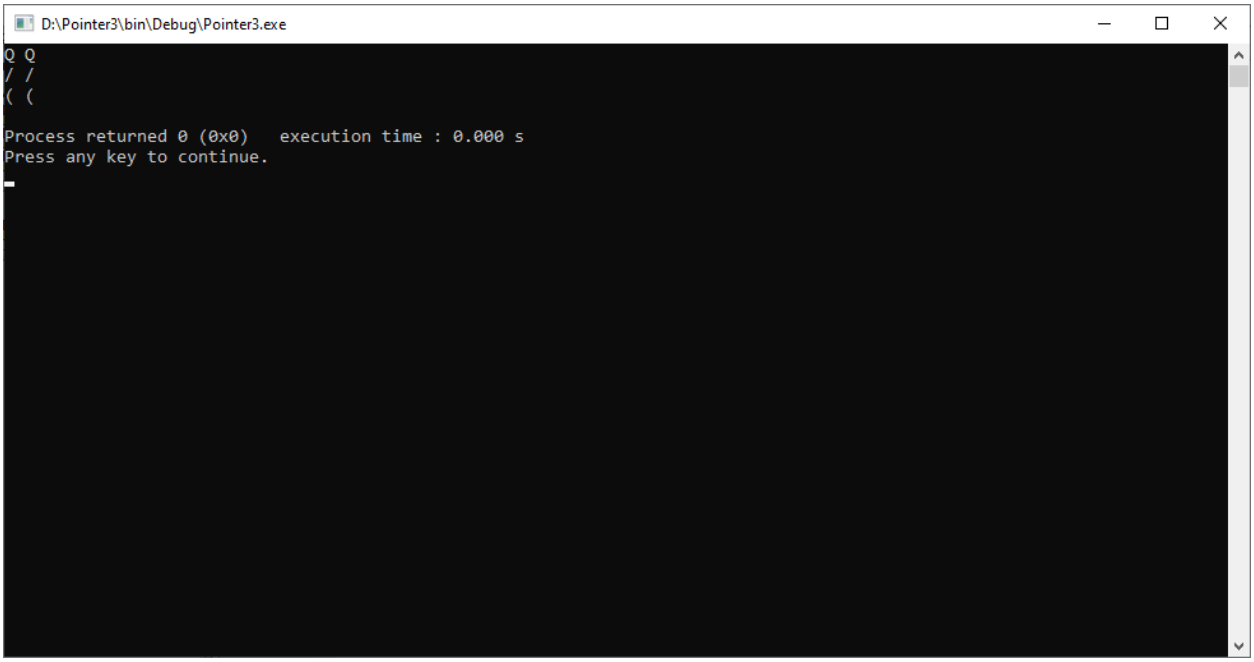
Perkiraan Jawaban :

Q Q

/ /

((

Output :

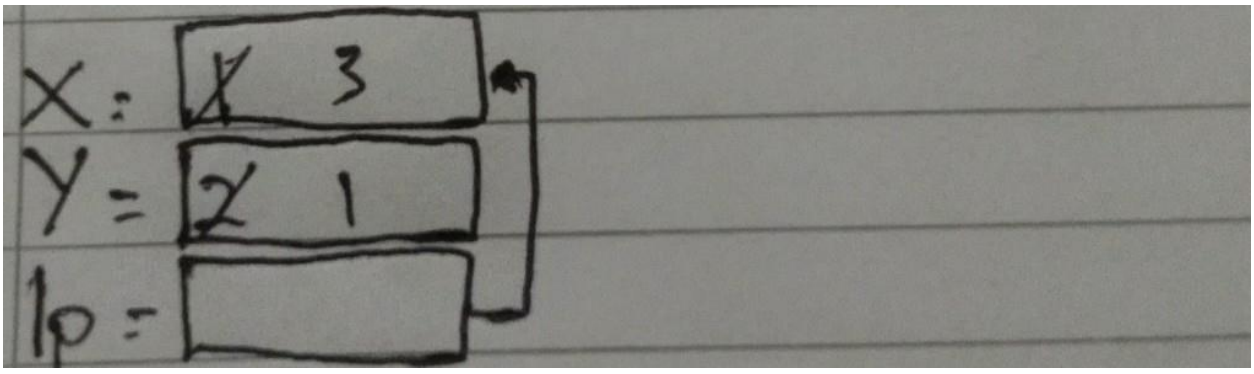


4. main() {

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

Jawab :

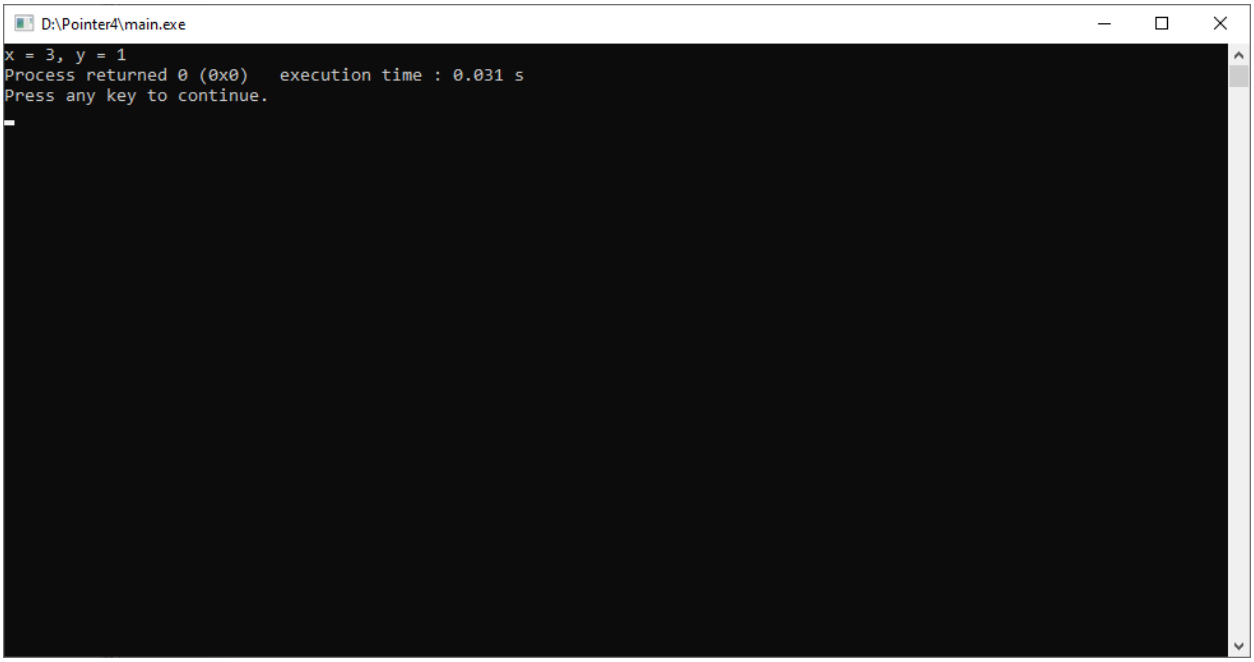
Gambar :



Perkiraan Jawaban :

x = 3, y = 1

Output :

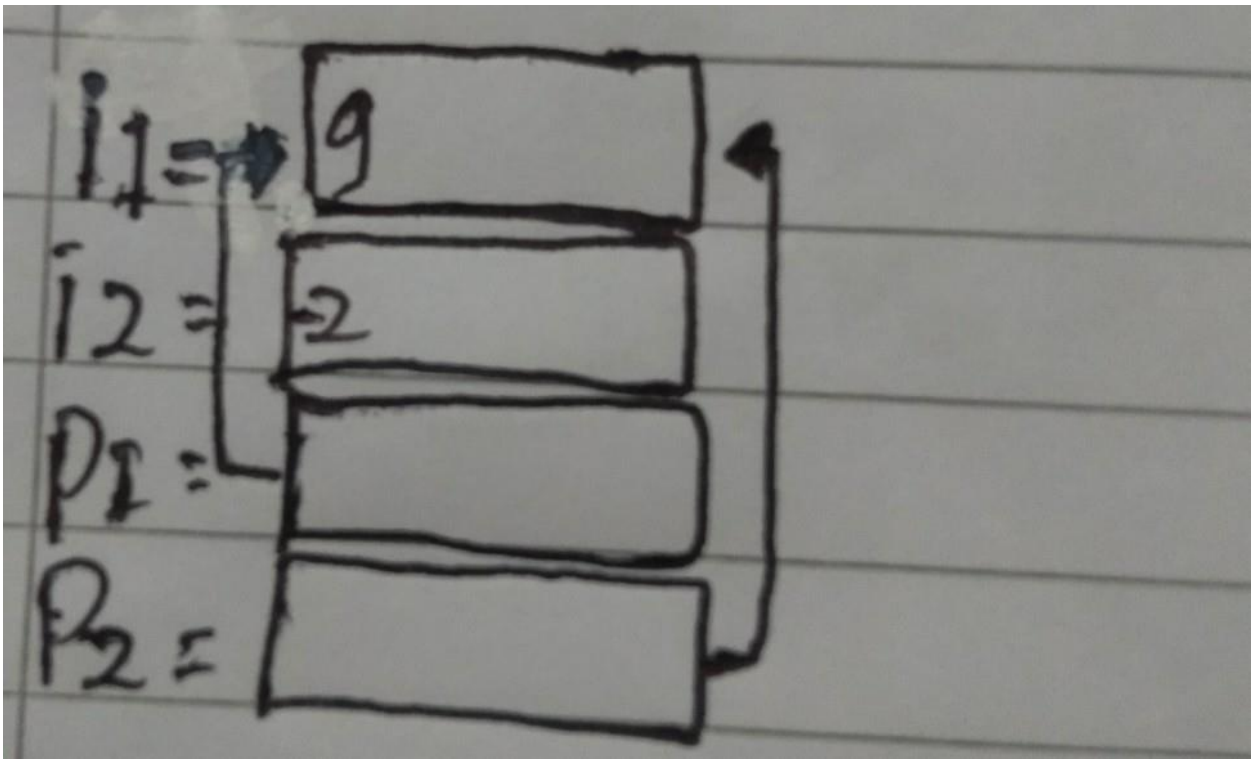


5. main(){

```
        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 :

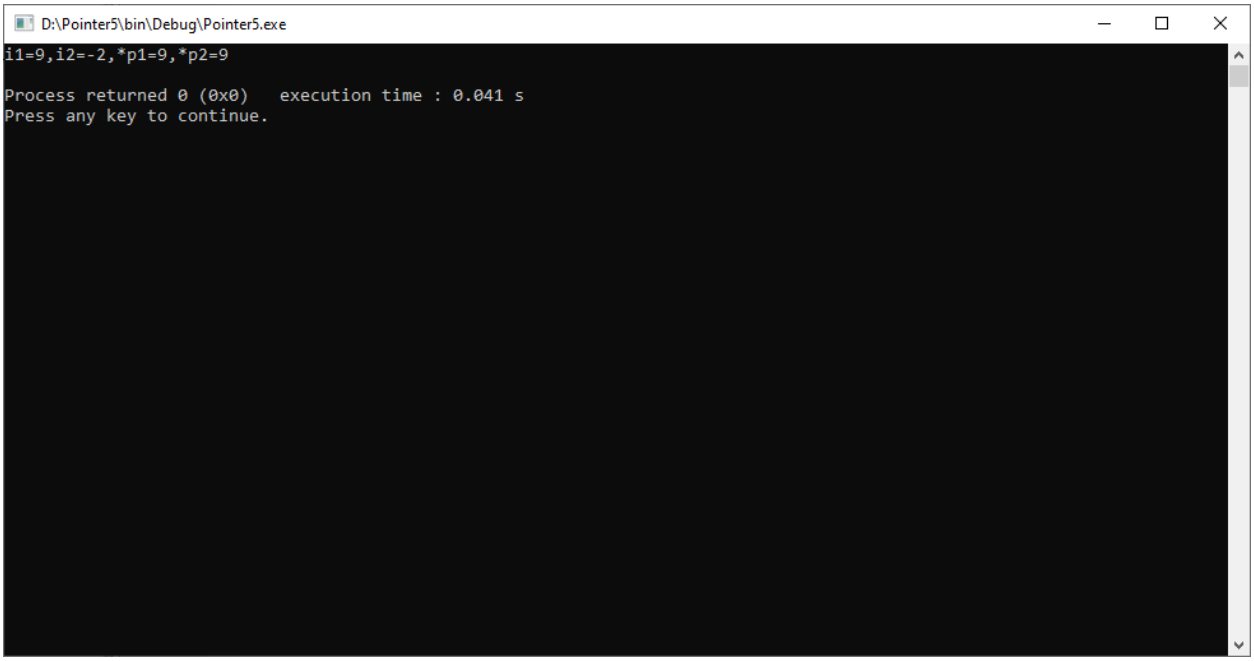
Gambar :



Perkiraan Jawaban :

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

Output :



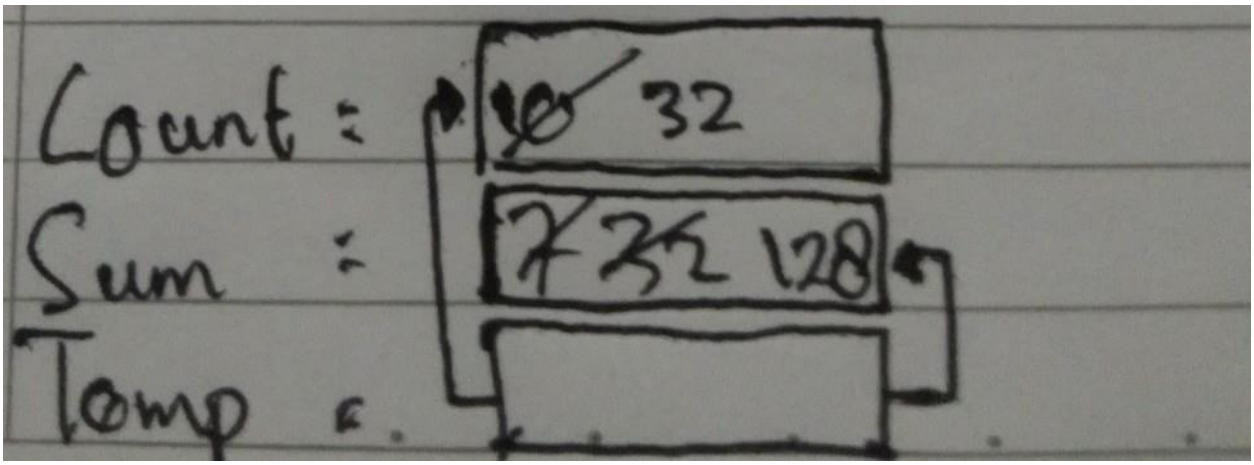
6. main() {

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 :

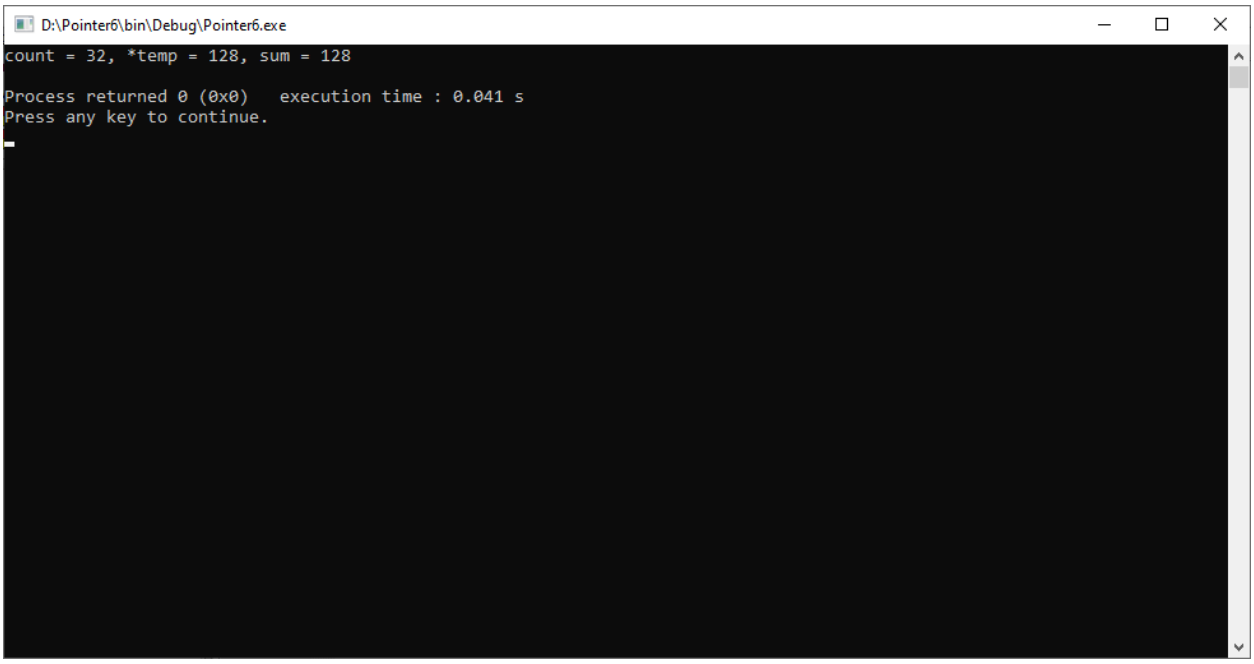
Gambar :



Perkiraan Jawaban :

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

Output :



7. main(){

int count = 13, sum = 9, *x, *y;

x = &count;

*x = 27;

y = x;

x = ∑

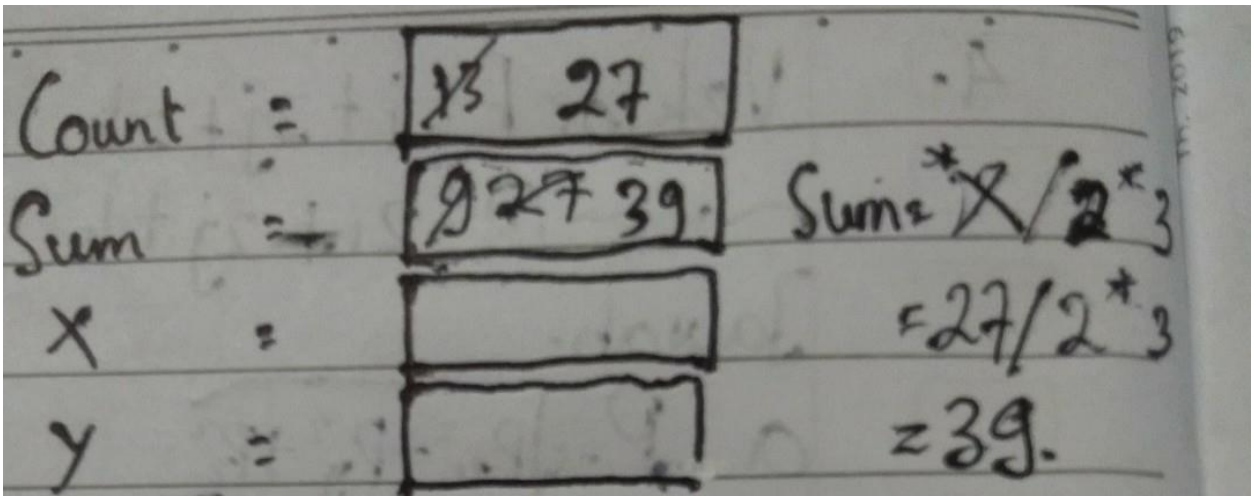
*x = count;

sum = *x / 2 * 3; printf("count = %d, sum = %d, *x = %d, *y = %d\n", count,sum,*x,*y);

}

Jawab :

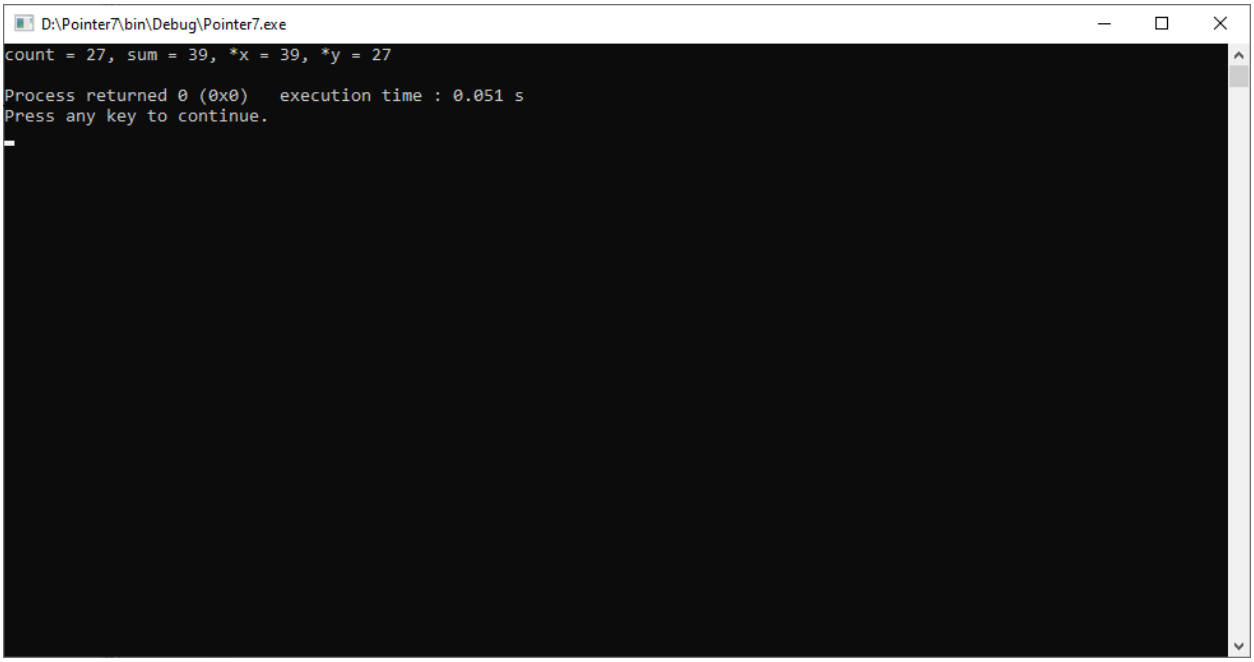
Gambar :



Perkiraan Jawaban :

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

Output :


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.