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Hand-in assignment week 5 Structured data and pointers

Link til github:

Exercise 1)

(1) (Text answer) (Old exam question) A function area calculates and returns the area of a rectangle as an integer. The input rectangle is given as four integer coordinates: x1, x2, y1, y2. Complete the function signature below.

```
1
2
3
4
5 return (x2 - x1) * (y2 - y1);
6 }
```

Int area (int x1, int x2, int, y1, int y2)

Exercise 2)

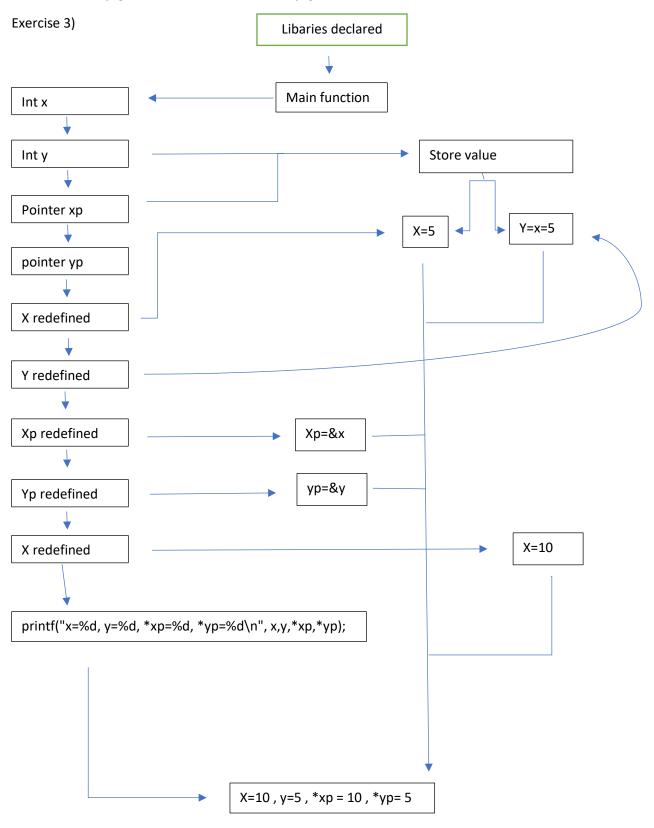
(2) (Text answer) (Old exam question) The function increment takes a pointer to an integer and adds 1 to the integer value to which it pints. The function does not return any value. Complete the function signature and function body below, so that the main function prints 6 when executed.

```
1
2
3
4
5
6
7 }
8
9 int main () {
   int v = 5;
   increment(&v);
   printf("%d", v);
   return 0;
14 }
```

void increment (int *v) {*v = *v + 1; }

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((Fandt ud af at jeg har lavet et flow-chart efter jeg havde lavet det så derfor ser den første således ud))



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Exercise 4)

Variable		Output (print)
Int x	Print value ->	0
Int y	Print value ->	10
Int *xp	Print value ->	0
Int *yp	Print value ->	10



Exercise 5)

Variable		Output (print)
Int x	Print value ->	10
Int y	Print value ->	10
Int *p1	Print value ->	10
Int *p1	Print value ->	10

