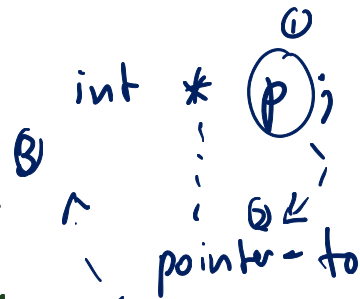


Feb 15, 2021

Today:

- recap questions ✓
- pointer concepts ✓
- review prev. exercises?
- ex 4-1



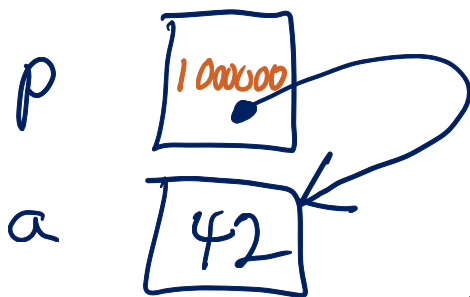
pointer \approx reference

Recap Qs

1) pointer value — memory address

pointer variable —
variable whose value is
a pointer value

p "points to" a



Q3

printf("god", *p);

int a;

int *p;

p = &a;

*p = 42;

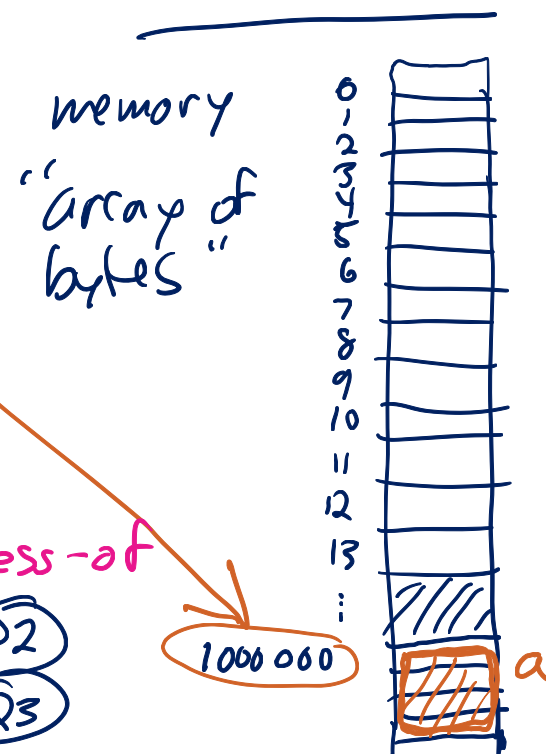
address-of
dereference

Q2

Q3

HW 2 - due tomorrow
(Tues 2/16) by 11 pm
⇒ no late submissions
HW 3 - soon

slido.com
jhui p01
↑
zero



4)

```
int x;
scanf("%d", &x);
```

inside
scanf →

address of x
pointer to x

```
int *p = param;
int value = ...
*p = value;
```

float *ra

5)

```
int func(float ra[], float x, float *y) {
```

```
    ra[0] += 10;
```

```
    x *= 20;
```

```
    *y += 30;
```

```
    return 40;
```

```
}
```

```
int main() {
```

```
    float a = 1;
```

```
    float b = 2;
```

```
    float c[] = {3, 4, 5, 6};
```

```
    int d;
```

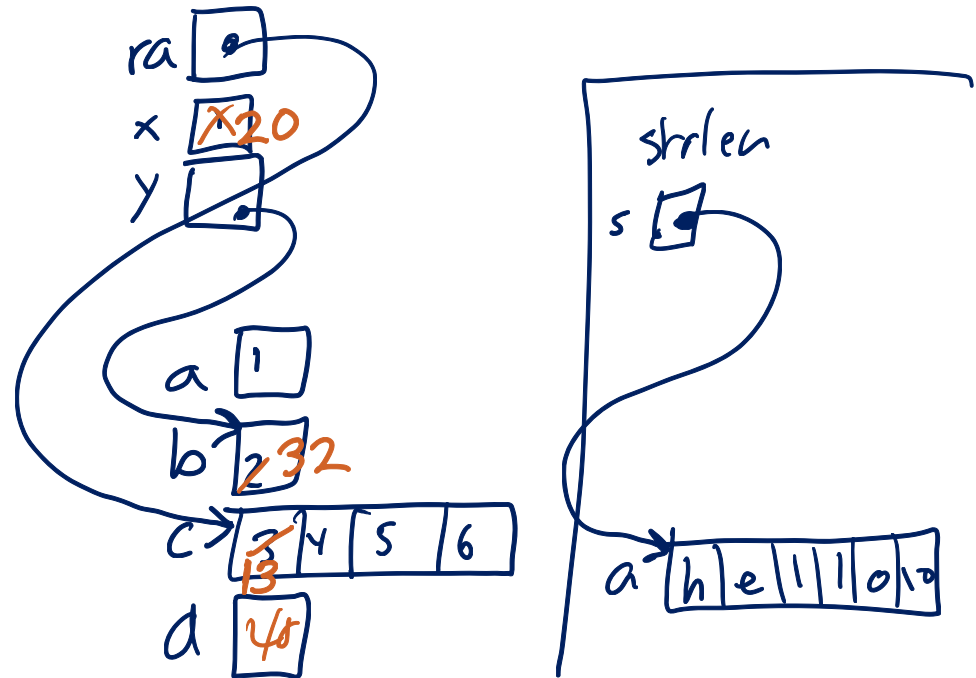
```
    d = func(c, a, &b);
```

```
    printf("%.2f, %.2f, %.2f, %d\n", a, b, c[0], d);
```

```
}
```

132 13 40

dereference = follow the arrow



char a[] = ...
strlen(a)

