

Now it works

Dynamic: 19/10/19

~~S → func();~~

polymorphism

late binding
dynamic binding

void func()

{
}
}

Static → ثابت

function overloading

strcat(char*, char*)

strcat(char*, int)

strcat(char*, student)

;

int main()

→ strcat(str, 2);

⇒ call 0x222

0x222

static binding
early binding

Template <typename T>
void test(T a){

;

}

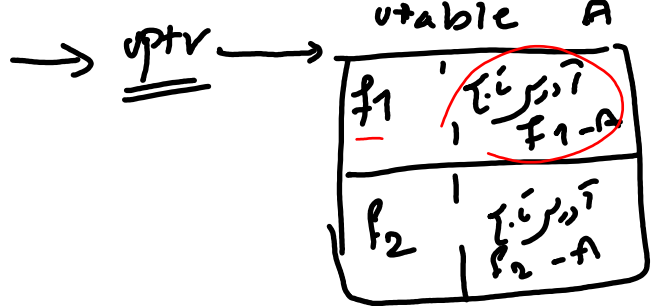
test(12); →
test(int) → call 0x449

{
vtable
vptr

```

class A {
    virtual f1();
    virtual f2();
}

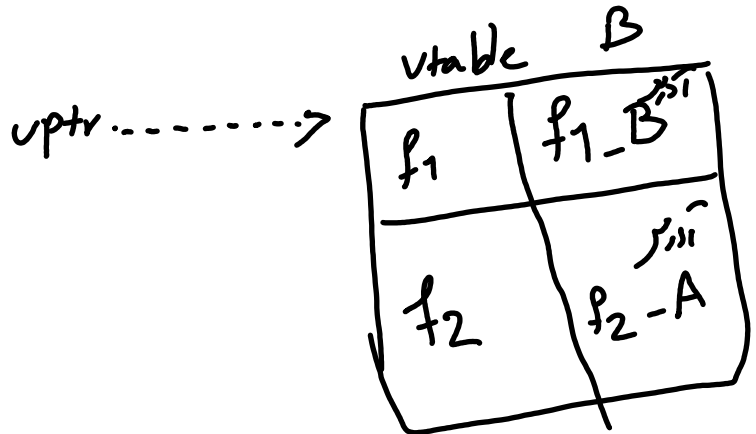
```



```

class B: public A {
    f1();
}

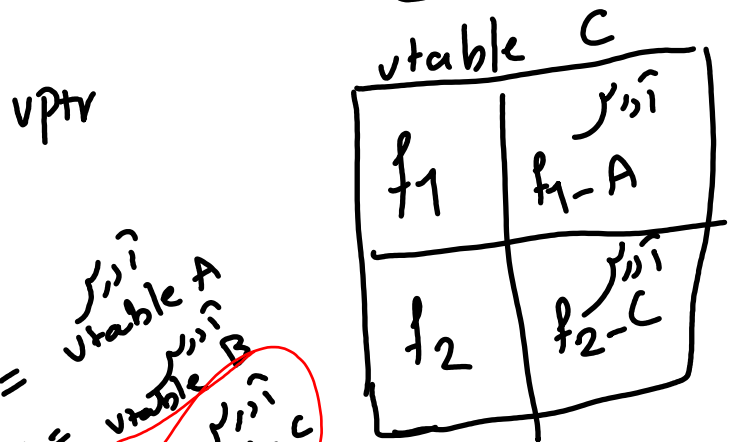
```



```

class C: public A {
    f2();
}

```



```

main() {

```

```

    A a;
    B b;
    C c;

```

```

    A* aPtr;

```

```

    aPtr = &a;

```

```

    aPtr → f1();

```

```

    aPtr = &b;

```

```

    aPtr → f1();

```

```

    aPtr = &c;
    aPtr → f1();

```

→

```

a.vptr = vtable A
b.vptr = vtable B
c.vptr = vtable C

```

↓

aPtr → vptr → f1();

→ aPtr → vptr → f1();

→ aPtr → vptr → f1();

لدي

f1-A

f1-B

f1-A