

Ch 05. Class

⌚ 생성일	@2023년 12월 19일 오후 3:22
≡ 태그	

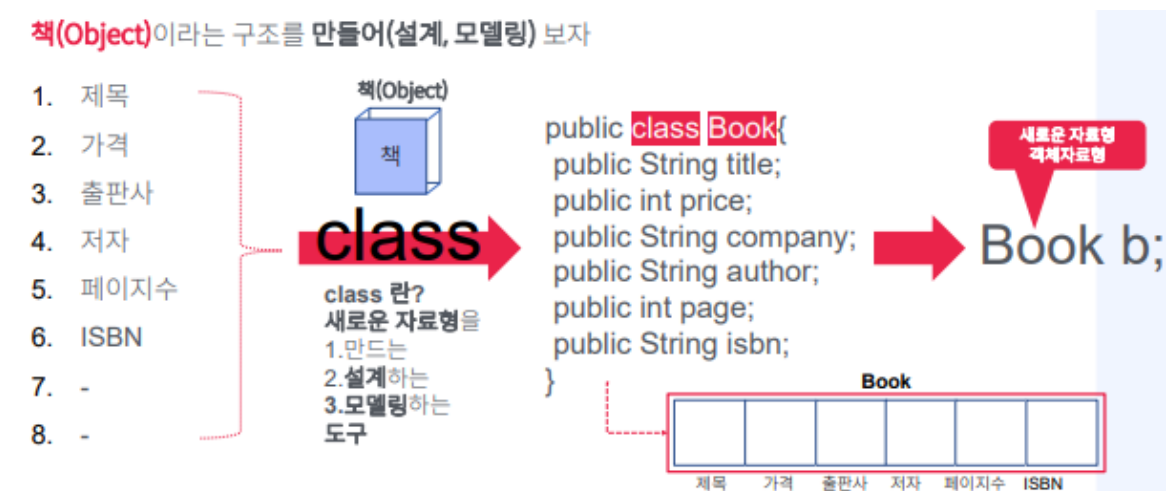
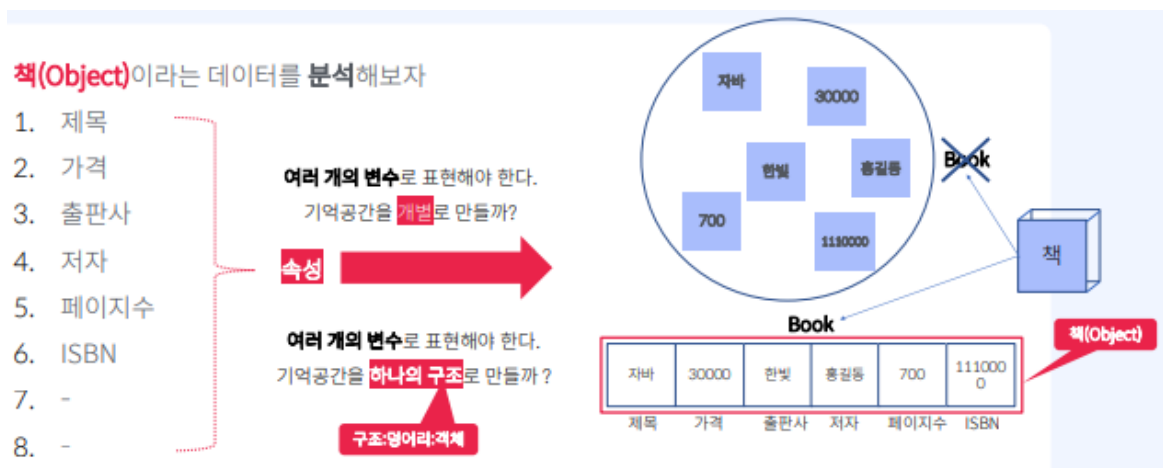
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UDDT; User Defined Data Type

Class & Instance & Object

▼ UDDT; User Defined Data Type



▼ [실습]



▼ Q. 한 권의 책 데이터를 6개의 변수로 저장하고 출력
(BookTest Class)

```
public class BookTest {
    public static void main(String[] args) {
        // Q1
        String title    = "JAVA";
        int    price     = 30000;
        String company   = "FastCampus";
        String author    = "NBE";
        int    page      = 1000;
        String isbn      = "ISBN-123456789";

        System.out.println(title+"\t"
                               +price+"\t"
                               +company+"\t"
                               +author+"\t"
                               +page+"\t"
                               +isbn);
    }
}
```

```
C:\Java\jdk-11.0.2\bin\java.exe "-javaagent:C:\Program
JAVA    30000    FastCampus    NBE    1000    ISBN-123456789

Process finished with exit code 0
```

▼ Q. 6개의 변수를 하나의 구조에 담기 위해서 Book이라는 바구니(이동)를 만들자.

```
public class Book {
    public String title    = "";
    public int    price    = 0;
```

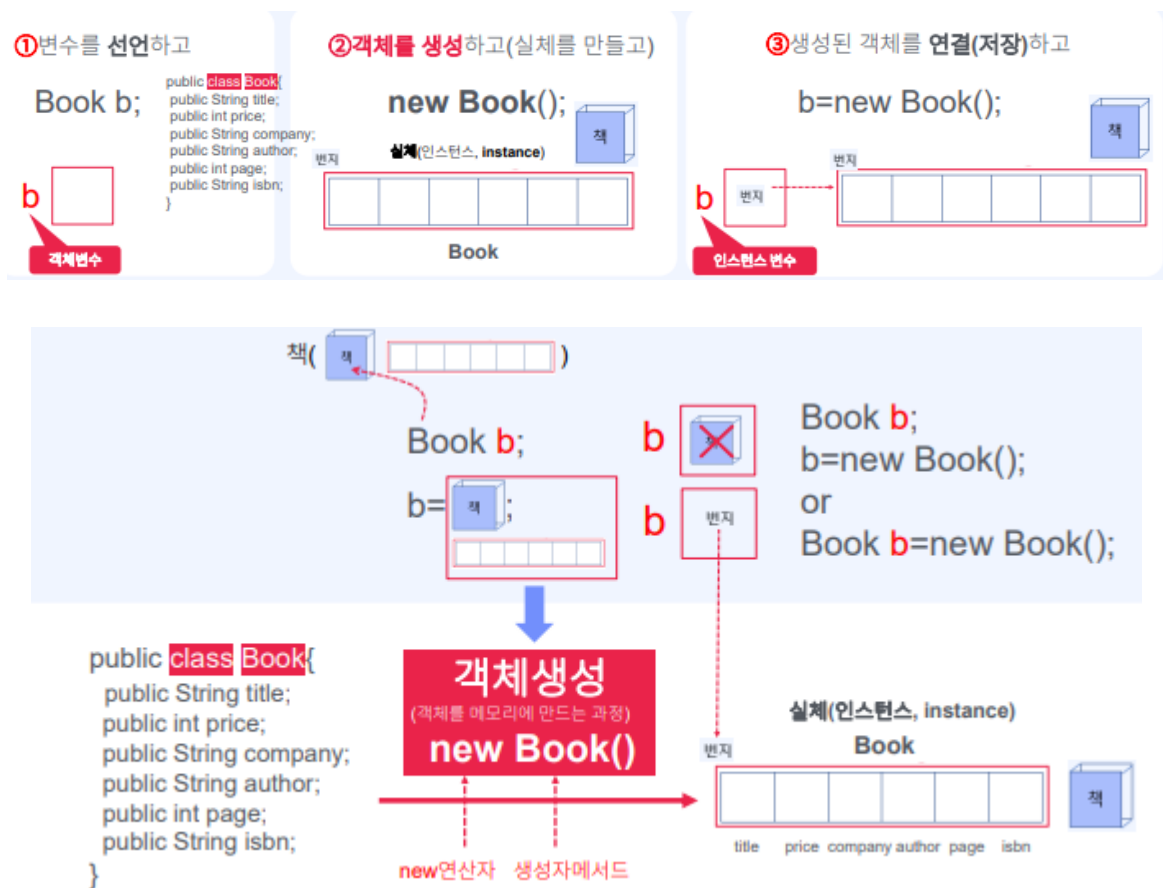
```

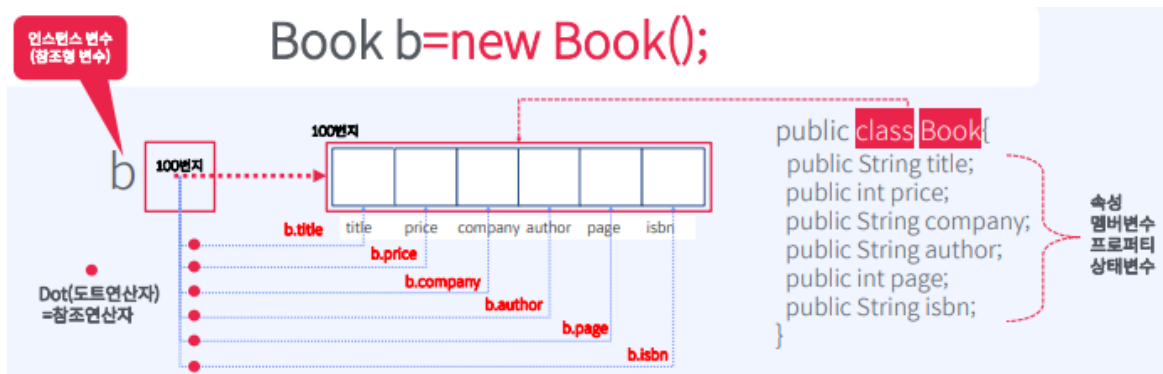
public String  company = "";
public String  author  = "";
public int     page    = 0;
public String  isbn     = "";

public String  getInformation()
{
    return title+"\t" +price+"\t"+company+"\t"+au
}
}

```

▼ Class & Instance & Object





▼ [실습]

▼ Q1. Book 자료형을 이용하여 책 정보를 저장하고 출력

```
public class BookExam {
    public static void main(String[] args) {
        // Q1
        Book b = new Book();
        b.title    = "C++";
        b.price    = 321321;
        b.company  = "FastCampus";
        b.author   = "NBE";
        b.page     = 2000;
        b.isbn     = "ISBN-987654321";
        System.out.println(b.getInformation());
    }
}
```

```
C:\Java\jdk-11.0.2\bin\java.exe "-javaagent:C:\Progr
C++ 321321 FastCampus NBE 2000 ISBN-987654321

Process finished with exit code 0
```

▼ Q2. 헬스클럽 회원 데이터를 저장하고 출력하시오

```
public class Member {
    public String name;
    public int age;
    public String phoneNumber;
    public String emailAddress;
```

```

        public String    address;
        public float     weight;

        @Override
        public String toString() {
            return "Member{" +
                "name='" + name + '\'' +
                ", age=" + age +
                ", phonNumber='" + phonNumber + '\'' +
                ", emailAddress='" + emailAddress + '\'' +
                ", address='" + address + '\'' +
                ", weight=" + weight + "kg" +
                '}';
        }
    }

    public class MemberTest {
        public static void main(String[] args) {
            Member m = new Member();
            m.name = "홍길동";
            m.age = 30;
            m.phonNumber = "010-1111-1111";
            m.emailAddress = "fc@naver.com";
            m.address = "서울";
            m.weight = 57.6f;

            System.out.println(m);
        }
    }
}

```

```

Member{name='홍길동', age=30, phonNumber='010-1111-1111', emailAddress='fc@naver.com', address='서울', weight=57.6kg}

Process finished with exit code 0

```