

CS62: Spring 2025 | Lecture #1 (Intro) worksheet | Jingyi Li

Practice problem 1

- a. Declare a variable that stores the number of CS classes you have taken before CS62 at Pomona and initialize it to the appropriate number.

- b. Now assume you access this variable at the end of this semester. Assign to it the new value that corresponds to the total number of CS classes you will have taken, including CS62 (and potentially CS101).

- c. Declare and initialize a variable whose type is a primitive and pass it into a print statement, using string concatenation at least once.

Practice problem 2

a. Define a class `Cat` and declare variables that correspond to a cat's name, sex, age, days spent in rescue, and whether it has been adopted.

```
public class Cat {
```

```
    public Cat(                ) {
```

```
    }
```

```
    public static void main(String[] args) {
```

```
    }
```

```
}
```

b. Fill in the `Cat` constructor to take 3 arguments: name, age, and sex.

In the `main` method, instantiate two objects of type `Cat`. Initialize their name, age, and sex to whatever you choose.

Once you instantiate the two `Cat` objects, initialize their days in rescue to whatever number you want.

Finally, adopt a cat!