

2.2

0 is returned

2.3

No refund is received, a ticket will still print

2.5

Yes it checks the price and prints it on the new ticket

2.6

```
public class Student
```

```
public Class LabClass
```

2.7

Yes, the diagram is struck through with red lines

The error message received is <identifiedr> expected

Yes, because there no identifier following the class declaration

2.8

Yes it is possible

2.9

Fields: price, balance, total, status

Constructor: TicketMachine(int ticketCost)

Methods: getPrice, getBalance, insertMoney, printTicket

2.10

The constructor has the same name as the class it is in, as well as it does not declare a return type in its signature

2.11

1. Is of type int

2. Is of type Student

3. Is of type Server

2.12

Alive, Tutor, and Game

2.13

Yes, it does matter, changing the orderings will give you an <identifier> expected error and cause the diagram to turn red

2.14

Yes, it is always necessary to have a semi colon at the end of a field declaration

2.15

```
private int status;
```

2.16

The constructor belongs to class Student

2.17

The constructor has two parameters of type string and type double

2.18

The types of the book classes fields may be strings and doubles and named title and price

2.19

name = petsName

2.21

there are no differences between them besides their identifier, both return an int

2.22

How much money has been put in so far

2.23

It does not need to be changed

2.24

```
public int getTotal()  
{  
    return total;  
}
```

2.25

Missing Return Statement

2.26

getPrice returns an int while printTicket returns nothing

2.27

They do not have return values because void is in their signature, this is because they do not return any information to their caller

2.29

We can tell this is a method because it declares a return type

2.30

```
public void setPrice (int ticketCost)  
    price = ticketCost
```

2.31

```
public void increase(int points)  
{  
    score += points  
}
```

2.32

```
public void discount(int amount)  
{  
    price -= amount  
}
```

2.35

They will return two different ticket prices

2.36

It would just print the word price

2.37

It would also bring the string "# price cents"

2.38

No because the price of the tickets would not be displayed

2.39

The ticket price is now fixed

2.40

The balance was not changed