











```
System.out.println("Movie ticket prices: ");
System.out.println("Movie ticket prices: ");
                                                              System.out.println("1. Adult - $14.00");
System.out.println("1. Adult - $14.00");
                                                             System.out.println("2. Child - $8.00");
System.out.println("2. Child - $8.00");
                                                              System.out.println("3. Senior - $11.00");
System.out.println("3. Senior - $11.00");
                                                             System.out.print("Enter choice: ");
System.out.print("Enter choice: ");
                                                              int choice = Integer.parseInt(input.nextLine());
int choice = Integer.parseInt(input.nextLine());
                                                             switch (choice) {
       if (choice == 1) {
                                                                     case 1:
          total = quantity * 14;
                                                                          total = quantity * 14;
                                            You CANNOT use a switch
       } else if (choice == 2) {
                                                                          break;
                                            statement for relational > >=
           total = quantity * 8;
                                                                     case 2:
         else if (choice == 3) {
                                                                          total = quantity * 8;
                                               Can only use it for
            total = quantity * 11;
                                                                          break;
                                                 = .equals
         else {
                                                                     case 3:
            System.out.println("Invalid entry");
                                                                          total = quantity * 11;
                                                                          break:
                                                                          System.out.println("Invalid entry");
```

```
System.out.println("Movie ticket prices: ");
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                                                             System.out.println("1. Adult - $14.00");
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                                                             System.out.println("2. Child - $8.00");
System.out.println("2. Child - $8.00");
                                                              System.out.println("3. Senior - $11.00");
System.out.println("3. Senior - $11.00");
                                                             System.out.print("Enter choice: ");
System.out.print("Enter choice: ");
                                                             int choice = Integer.parseInt(input.nextLine())
int choice = Integer.parseInt(input.nextLine());
                                                             switch (choice) {
       if (choice == 1) {
                                                                    case 1:
          total = quantity * 14;
                                                                         total = quantity * 14;
       } else if (choice == 2) {
                                                                         break;
                                                break takes you
          total = quantity * 8;
                                                out of the block of code
                                                                    case 2:
       } else if (choice == 3) {
                                                you are in
                                                                         total = quantity * 8;
            total = quantity * 11;
                                                                         break;
         else {
                                                                    case 3:
            System.out.println("Invalid entry");
                                                                         total = quantity * 11;
                                                                         break;
                                                                    default:
                                                                         System.out.println("Invalid entry")
```

```
private String name;
private String sound;

public FarmAnimal(String name, String sound) {
    this.name = name;
    this.sound = sound;
}

public String getName() { return name; }
public String getSound() { return sound; }

FarmAnimal farmanimal = new FarmAnimal();

new FarmAnimal("FarmAnimal", "Hi");

public class Alien{
    private String name;
    private String name;
    private String color;

    If you write a class and do not explicitly define a constructor, Java will provide the default one for you

public void setName(String name) {

Alien alien = new alien();

.

}
```

```
public class FarmAnimal implements Singable {
    private String name;
    private String sound;

    public FarmAnimal(String name, String sound) {
        this.name = name;
        this.sound = sound;
    }

        public String getName() { return name; }
        public String getSound() { return sound; }

        FarmAnimal farmanimal = new FarmAnimal();
    }

    public class Alien{
        private String name;
        private String color;

        If you write a class and do not explicitly define a constructor, Java will provide the default one for you
        public void setName(String name) {

        Alien alien = new alien();

        Alien alien = new alien();
```

```
import java.math.BigDecimal;
    parent
    parent
    public class Pig extends FarmAnimal implements Sellable {
    private BigDecimal price;

    public Pig() { this is a default constuctor for the class Pig
        super(name: "Pig", sound: "oink!"); super refers to the parent
        private String sound;

    public FarmAnimal(String name, String sound) {
        this.name = name;
        this.sound = sound;
    }
}

    public BigDecimal getPrice() { return price; }

}
```