Java provides us with two different ways to implement a decision in our programs: the if and switch statements. Describe a specific situation when it would be preferable to use an if statement. Then describe a different situation when a switch structure would be more appropriate. Be sure to choose an example that is not listed in the text, in class, or by another student.

An if statements would be appropriate for determining if a person is tall enough to meet the height requirement for an amusement park ride.

If(heightRequirement => 48)  
{  
 System.out.println(“You are eligible to ride this ride.”);  
else  
 System.out.println(“You must be at least 48 inches tall to ride this ride.”);

}

For a switch statement, this is looking for the case that matches the users input. For instance, for target marketing a company is looking for all female shoppers within the ages of 18-27, 28-35, and 36-43. This would be a good example for a switch statement.

Int age

// Get the age ranges from user input, to properly pair product offers with age group.  
switch(age)  
{

Case 1:  
 System.out.println(“Age 18 - 27”);  
 break;  
 Case 2:  
 System.out.println(“Age 28 - 39”);  
 break;  
 Case 3:  
 System.out.println(“Age 40 - 55”);  
 break;  
 Case 4:  
 System.out.println(“over 55”);  
 break;

}