```
                  break;
            case 5:
                  System.out.println("Thursday");
                  break;
            case 6:
                  System.out.println("Friday");
                  break;
            case 7:
                  System.out.println("Saturday");
                  break;
            //Write an error message if the number proves to be invalid.
            default:
                  System.out.println("Invalid value");

            // end of program for unit 2 assignment
         }
      }
}
```

Unit 3

```
//This class is used to get user input
import java.util.Scanner;

//IT213 Unit 3 Assignment
public class IT213_YourLastName_Unit3 {

      //Main is the entry point for your code
      public static void main(String[] args) {

      //create an object of a Scanner class to take user input from console
      Scanner input = new Scanner(System.in);

      //*******************************************************

      //****Assignment 3 Section 1

      //*******************************************************

      System.out.print("**** Assignment 3: Section 1 - While Loop ****\n");

      //declare variables to keep running total and count of grades entered

            int total=0;
       int gradeCounter=1;

       //declare variables to store grades entered
       int grade=0;

       //declare variable for average
       int average=0;
```

```
        //Using a while loop structure, create a loop based on a counter variable
which will cycle through 10 iterations
        //With each iteration of the loop, request a grade from the user and add it
to a running total.
        while(gradeCounter <= 10)
            {
                System.out.print("Enter grade: ");
                grade = input.nextInt();
                total = total + grade;
                gradeCounter = gradeCounter + 1;
            }

        //Calculate average
        average = total / 10;

        //After the loop has ended, print to the console the overall total and the
class average.
        System.out.printf("\nTotal if all 10 grades is %d%n", total);
        System.out.println("Class average is " + average);


        //*************************************************************

        //****Assignment 3 Section 2

        //*************************************************************

        //Create a set of two nested for loops.
       System.out.print("\n\n**** Assignment 3: Section 2 - Nest For Loops ****\n");

        //outer loop with counter variable k starting at 5 decrementing by one each
time through loop
        for (int k=5; k >= 1; k--)
        {
            //inner loop with counter variable i starting at 0 and increasing by two
each time through loop
            for (int i=0; i <= 10; i+=2)
            {
             //display value of k and value of i each time through
                System.out.printf("k = %d i = %d\n", k,i);

            }
        }

        //*************************************************************

        //****Assignment 3 Section 3

        //*************************************************************

        System.out.print("\n\n**** Assignment 3: Section 3 - While Loop With Sentinel
****\n");

        //declare variable to store number entered and running total of numbers
        int number=0;
```

```
        int totalNumbers=0;

        //prompt user to enter a number and continue adding numbers entered until the
sentinel value is entered
        while (number != -1)
        {
             System.out.print("Enter a positive number to be added to the total or -1
to end.");
            number = input.nextInt();
          //With each iteration of the loop, add the user entered value to a running
total
            if (number != -1)
             {
             totalNumbers = totalNumbers + number;
             }
        }

        //Once the loop ends, print the total of the numbers entered
        System.out.print("The sum of all numbers entered is " + totalNumbers);

             // end of program for unit 3 assignment
          }
      }
```

Unit 5

```
//IT213 Unit 5 Assignment Part 2
public class IT213_YourLastName_Unit5_Part2 {
      //Main is the entry point for your code
      public static void main(String[] args)
      {

             //Create a string variable called sentence and initialize it with the
phrase
             String sentence = "The quick brown fox jumps over the lazy dog";

             //declare variables to track position in sentence, blank position and
word count
             int current = 0;
             int blankPosition = 0;
             int wordcount = 0;
             String word;

            //Starting at the beginning of the sentence, examine each character,
until you reach
            // the end of the sentence
             for (int i = 0; i < sentence.length(); i++)
             {
                 current = i;

                 //The IndexOf method searches for the next occurrence of the
specified
```