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Problem 3.2

```java
import java.util.Scanner;

public class Q32 {

        public static void main(String[] args) {
                // TODO Auto-generated method stub
                @SuppressWarnings("resource")
                Scanner input = new Scanner (System.in);

                int number1 = (int)(Math.random()*10); //
                int number2 = (int)(Math.random()*10); //
                int number3 = (int)(Math.random()*10); //

                System.out.print(
                                "What is " + number1 + " + " + number2 + " + " + number3 + " ?
" );

                int answer = input.nextInt();
                System.out.println(number1 + " + " + number2 + " + " + number3 + " is " +
( number1 + number2 + number3 == answer));

        }

}
```

Problem 3.5

```java
import java.util.Scanner;

public class Q35 {

        private static Scanner input;

        public static void main(String[] args) {
                // TODO Auto-generated method stub

                input = new Scanner(System.in);
```

```java
            System.out.println("Enter todays date: ");

            int day = input.nextInt();

            System.out.println("Enter the number of days elapsed since today:  ");

            int future = input.nextInt();
            System.out.println("Today is ");
            switch (day % 6){
            case 0: System.out.println("Sunday"); break;
            case 1: System.out.println("Monday"); break;
            case 2: System.out.println("Tuesday"); break;
            case 3: System.out.println("Wednesday"); break;
            case 4: System.out.println("Thursday"); break;
            case 5: System.out.println("Friday"); break;
            case 6: System.out.println("Saturday");
            }

            System.out.println(" and the Future day is ");
            switch (future % 7){
            case 0: System.out.println("Sunday"); break;
            case 1: System.out.println("Monday"); break;
            case 2: System.out.println("Tuesday"); break;
            case 3: System.out.println("Wednesday"); break;
            case 4: System.out.println("Thursday"); break;
            case 5: System.out.println("Friday"); break;
            case 6: System.out.println("Saturday");
            }
        }

}
```

Problem 4.9

```java
import java.util.Scanner;
public class Q49 {

        public static void main(String[] args) {
                // TODO Auto-generated method stub

                @SuppressWarnings("resource")
```

```java
        Scanner input = new Scanner(System.in);

        System.out.println( "Enter a character: ");

        char character = input.next().charAt(0);

        System.out.println(character + " in Unicode is " + (int)character);


    }

}
```

Problem 4.13

```java
import java.util.Scanner;

public class Q413 {


    public static void main(String[] args) {
        // TODO Auto-generated method stub

        @SuppressWarnings("resource")
        Scanner input = new Scanner(System.in);
        char letter = input.next().charAt(0);


        if (letter == 'a' || letter == 'e' || letter == 'i' || letter == 'o' || letter == 'u' ||
                letter == 'A' || letter == 'E' || letter == 'I' || letter == 'O' || letter == 'U') {
            System.out.println(letter + " is a vowel ");
        } else {
        if (letter == 'b' || letter == 'c' || letter == 'd' || letter == 'f' ||letter == 'g' || letter == 'h'
|| letter == 'j' || letter == 'k' || letter == 'l' || letter == 'm' || letter == 'n' || letter == 'p' || letter == 'q' ||
letter == 'r' ||letter == 's' || letter == 't' ||letter == 'v' || letter == 'w' || letter == 'x' || letter == 'y' ||
letter == 'z' ||
                                    letter == 'B' || letter == 'C' || letter == 'D' || letter == 'F' ||letter == 'G'
|| letter == 'H' || letter == 'J' || letter == 'K' || letter == 'L' || letter == 'M' || letter == 'N' || letter == 'P'
|| letter == 'Q' || letter == 'R' ||letter == 'S' || letter == 'T' ||letter == 'V' || letter == 'W' || letter == 'X'
|| letter == 'Y' || letter == 'Z') {
                System.out.println(letter + " is a consonant ");
            } else {
```

```
                    System.out.println(letter + " is an invlid input");
            }
        }

    }

}
```

Problem 4.20

```java
import java.util.Scanner;

public class Q420 {


    public static void main(String[] args) {
            // TODO Auto-generated method stub

            @SuppressWarnings("resource")
            Scanner input = new Scanner(System.in);

            System.out.println("Enter a string: ");
            String l = input.nextLine();
            System.out.println(l + "s length is " + l.length() + " and the first letter of the
string is " + l.charAt(0));

    }

}
```