

```

ex3_2.java x ex3_5.java ex4_9.java ex4_13.java ex4_20.java
1
2 import java.util.Scanner;
3
4
5 public class ex3_2 {
6
7     public static void main(String[] args) {
8         int number1 = (int)(System.currentTimeMillis() % 10); //takes the time in milliseconds and takes the remainder value
9         int number2 = (int)(System.currentTimeMillis() / 7 % 10);
10        int number3 = (int)(System.currentTimeMillis() / 3 % 10);
11
12        //Creates Scanner
13        Scanner input = new Scanner(System.in);
14
15        System.out.print("What is " + number1 + " + " + number2 + " + " + number3 + " ? ");
16        int answer = input.nextInt();
17
18        System.out.println(number1 + " + " + number2 + " = " + answer + " is " + (number1 + number2 + number3 == answer));
19    }
20
21 }

```

```

ex3_2.java ex3_5.java x ex4_9.java ex4_13.java ex4_20.java
1
2 import java.util.Scanner;
3
4
5 public class ex3_5 {
6
7     public static void main(String[] args) {
8
9         Scanner input = new Scanner(System.in);
10
11        System.out.print("Enter today's day: ");
12        int dayNumber = input.nextInt(); //Generating user input for current date
13
14        System.out.print("Enter the number of days elapsed since today: ");
15        int dayCount = input.nextInt(); //Generating user input for future number
16
17
18        switch(dayNumber) { //Switch statement to get the current date
19            case 0: System.out.println("Today's date is Sunday"); break;
20            case 1: System.out.println("Today's date is Monday"); break;
21            case 2: System.out.println("Today's date is Tuesday"); break;
22            case 3: System.out.println("Today's date is Wednesday"); break;
23            case 4: System.out.println("Today's date is Thursday"); break;
24            case 5: System.out.println("Today's date is Friday"); break;
25            case 6: System.out.println("Today's date is Saturday");
26        }
27
28        switch(dayNumber + (dayCount % 7)) { //Switch formula to get the future date
29            case 0: System.out.println("The future date is Sunday"); break;
30            case 1: System.out.println("The future date is Monday"); break;
31            case 2: System.out.println("The future date is Tuesday"); break;
32            case 3: System.out.println("The future date is Wednesday"); break;
33            case 4: System.out.println("The future date is Thursday"); break;
34            case 5: System.out.println("The future date is Friday"); break;
35            case 6: System.out.println("The future date is Saturday");
36        }
37    }
38 }

```

```
ex3_2.java ex3_5.java ex4_9.java x ex4_13.java ex4_20.java
1
2 import java.util.Scanner;
3
4
5 public class ex4_9 {
6
7     public static void main(String[] args) {
8
9         Scanner input = new Scanner(System.in);
10
11         System.out.print("Enter a chatacter: ");
12         char ch = input.next().charAt(0);
13
14         System.out.println((int)ch);
15     }
16
17 }
18
```

```
ex3_2.java x ex3_5.java ex4_9.java ex4_13.java x ex4_20.java
1 |
2 import java.util.Scanner;
3
4
5 public class ex4_13 {
6
7     public static void main(String[] args) {
8
9         Scanner input = new Scanner(System.in);
10         System.out.print("Enter a letter: ");
11
12         char ch = input.next().charAt(0);
13
14
15         switch (Character.toLowerCase(ch)) {
16             case 'a':
17             case 'e':
18             case 'i':
19             case 'o':
20             case 'u':
21             case 'y': System.out.println("This is a vowel"); break;
22             default: System.out.println("This is not a vowel");
23         }
24     }
25 }
26
```

```
ex3_2.java  ex3_5.java  ex4_9.java  ex4_13.java  ex4_20.java x
1
2 import java.util.Scanner;
3
4
5 public class ex4_20 {
6
7     public static void main(String[] args) {
8
9         Scanner input = new Scanner(System.in);
10        System.out.print("Enter a string: ");
11
12        String message = input.nextLine();
13
14
15        int length = message.length(); //Gives input length
16        System.out.println(length);
17
18        char ch = message.charAt(0); //Gives first character
19        System.out.println(ch);
20
21    }
22 }
23
```