Date And Time

```
package Day2ClassTasks;
import java.time.LocalDate;
import java.time.LocalTime;
import java.time.format.DateTimeFormatter;
public class DateAndTime {
	public static void main(String[] args) {
		LocalDate date = LocalDate.now();

		LocalTime time = LocalTime.now();
		DateTimeFormatter dateFormatter = DateTimeFormatter.ofPattern("dd-MM-yyyy");
		String dateFormatterIs = date.format(dateFormatter);
		System.out.println("Formatted date: "+dateFormatterIs);

		DateTimeFormatter timeFormatter = DateTimeFormatter.ofPattern("HH:mm:ss");
		String timeFormatterIs = time.format(timeFormatter);
		System.out.println("Formatted Time is: "+timeFormatterIs);
	}
}
```

Email Validation

```
package Day2ClassTasks;
import java.util.Scanner;
public class EmailValidation {
	public static void main(String[] args) {
		Scanner input = new Scanner(System.in);
		System.out.print("Enter email here: ");
		String email = input.next();
		Boolean ValidEmail1 = email.contains("@");
		Boolean ValidEmail2 = email.endsWith(".com");
		if(ValidEmail1 == true && ValidEmail2 == true)
			System.out.println(email+" is a valid email");
		else
			System.out.println(email+" is not a valid email (email should contain @ and
end with .com)");

		input.close();
	}
}
```

String Concatenation

```
package Day2ClassTasks;
import java.util.Scanner;
public class StringConcatenation {
	public static void main(String[] args) {
		Scanner input = new Scanner(System.in);
		System.out.print("Enter your first name: ");
		String firstName = input.next();
		System.out.print("Enter your last name: ");
		String lastName = input.next();
		System.out.println(firstName+" "+lastName+", Welcome to the Java Training.");
		input.close();
	}
}
```

String Statement Reverse

```
package Day2ClassTasks;
import java.util.Scanner;
public class StringSentenceReverse {
	public static void main(String[] args) {
		Scanner input = new Scanner(System.in);
		System.out.print("Enter a sentence: ");
		String sentence = input.nextLine();
		System.out.println("Original sentence is: "+sentence);
		StringBuilder sb = new StringBuilder(sentence);
		System.out.println("Reverse of sentence is: "+sb.reverse());
		input.close();
	}
}
```

Student Scores

```
package Day2ClassTasks;
import java.util.Scanner;
public class StudentScores { //avg, max, etc...
	public static void main(String[] args) {
		Scanner input = new Scanner(System.in);
		System.out.print("Enter number of subjects: ");
		int num = input.nextInt();
		int[] scores = new int[num];
		for (int i=0; i<num; i++) {
			System.out.print("Enter the marks of subject "+(i+1)+": ");
			scores[i] = input.nextInt();
		}

		int total = 0;
		int max = scores[0];
		int min = scores[0];
		 for (int score : scores) {
		total += score;
		if (score > max) max = score;
		if (score < min) min = score;
	}
	float average = (float) total / num;
	System.out.println("\nResults:");
	System.out.println("Total Marks: " + total);
	System.out.println("Average Marks: " + average);
	System.out.println("Maximum Marks: " + max);
	System.out.println("Minimum Marks: " + min);
	input.close();
	}
}
```