Solution 1:

```java
package task5;
import java.util.stream.Stream;
import java.util.List;
import java.util.stream.Collectors;
public class Solution1 {
    public static void main(String[] args) {
        Stream<String> names = Stream.of("aBc", "d", "ef");
        List<String> upperCase = names
            .map(String::toUpperCase) // Convert each string to uppercase
            .collect(Collectors.toList()); // Collect the result into a list
        // Print the resulting list
        System.out.println(upperCase);
    }
}
```

Output:

[ABC, D, EF]

Solution 2:

```java
package task5;
import java.util.Arrays;
import java.util.List;
import java.util.stream.Collectors;
public class Solution2 {
    public static void main(String[] args) {
        List<String> liststrings= Arrays.asList("abb","","bc","efg","abcd","","kjl");
        List<String> list=liststrings.stream().filter(s->s!="").collect(Collectors.toList());
        System.out.println(list);
    }
}
```

Output:

[abb, bc, efg, abcd, kjl]

Solution 3:

```java
package task5;
import java.util.ArrayList;
import java.util.List;
import java.util.stream.Collectors;
public class Solution3 {
public static void main(String[] args) {
        // Create a list of student names
        List<String> studentNames = new ArrayList<>();
        studentNames.add("Ashwin");
        studentNames.add("Bharath");
        studentNames.add("Prasad");
        studentNames.add("Naveen");
        studentNames.add("Eswaran");
        studentNames.add("Balaraju");
        studentNames.add("Sai Prasad");
        studentNames.add("Ajay Kumar");
        studentNames.add("Gowtham");
        studentNames.add("Hemanth");
        // Filter the students whose names start with "A" using a lambda expression and the
Stream API
        List<String> filterStudents = studentNames.stream()
            .filter(name -> name.startsWith("A"))
            .collect(Collectors.toList());

        // Print the filtered list
        System.out.println("Students whose names start with A :\n" +filterStudents);

    }
  }
```

Output:

Students whose names start with A :

[Ashwin, Ajay Kumar]

Solution 4:

```java
package task5;
import java.time.LocalDate;
import java.time.Period;
import java.util.Scanner;
public class Solution4 {
    public static void main(String[] args) {
        // Create a Scanner object to read input
        Scanner scan = new Scanner(System.in);

        // Prompt the user to enter their birthdate
        System.out.print("Enter your birthdate (yyyy-mm-dd): ");
        String birthDateInput = scan.nextLine();

        // Parse the input into a LocalDate object
        LocalDate birthDate = LocalDate.parse(birthDateInput);

        // Get the current date
        LocalDate currentDate = LocalDate.now();

        // Calculate age
        Period age = Period.between(birthDate, currentDate);

        // Print Result
        System.out.println("Your age is: " + age.getYears() + " years, "
            + age.getMonths() + " months, and "
            + age.getDays() + " days.");
        scan.close();
    }
}
```

Output:

Enter your birthdate (yyyy-mm-dd): 2000-11-14

Your age is: 24 years, 1 months, and 6 days.