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CSC320 Programming I

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Create a Method with a Scanner Input

start

    Declarations

        Scanner stressed = newScanner (System.in);

    output stringInput(stressed)

stop

public static String stringInput(Scanner sleepy)

    output "You will be asked three questions. Please respond with either 'often', 'occasionally', or 'never'."

    output "How often do you see your friends?"

    String friendFrequency = sleepy.nextLine();

    output "Do your friends swim a lot?"

    String swimFrequency = sleepy.nextLine();

    output "Do your friends ever take you swimming?"

    String friendOutingFrequency = sleepy.nextLine();

    Pattern p1 = Pattern.compile("often|occasionally|never", Pattern.CASE_INSENSITIVE);

    Matcher m1a = p1.matcher(friendFrequency);

    Matcher m2a = p1.matcher(swimFrequency);

```
Matcher m3a = p1.matcher(friendOutingFrequency);


Pattern p2 = Pattern.compile("[^a-z ]", pattern.CASE_INSENSITIVE);

Matcher m1b = p1.matcher(friendFrequency);

Matcher m2b = p1.matcher(swimFrequency);

Matcher m3b = p1.matcher(friendOutingFrequency);


try {

        if ((!m1a.find() || !m2a.find() || !m3a.find())) {

                throw new Exception();

        }

        if ((m1b.find() || m2b.find() || m3b.find())) {

                throw new Exception();

        }

        output "According to your answers, you said: "

        output "You ",  friendFrequency,  " see your friends."

        output "Your friends ", swimFrequency, " go swimming."

        output "And your friends ", friendOutingFrequency, " take you swimming."

        return "Success"

}

catch(Exception e){

        return "Failure"

}
```

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Ex...   **Project Expl...** | scannerInputMethod.java

```java
 1  import java.util.Scanner;
 2  import java.util.regex.Matcher;
 3  import java.util.regex.Pattern;
 4
 5  public class scannerInputMethod {
 6
 7      public static String stringInput(Scanner sleepy){
 8
 9          System.out.println("You will be asked three questions. Please respond with either 'often', 'occasionally', or 'never'.");
10          System.out.println();
11
12          System.out.println("How often do you see your friends?");
13          String friendFrequency = sleepy.nextLine();
14
15          System.out.println("Do your friends swim a lot?");
16          String swimFrequency = sleepy.nextLine();
17
18          System.out.println("Do your friends ever take you swimming?");
19          String friendOutingFrequency = sleepy.nextLine();
20
21          Pattern p1 = Pattern.compile("^often$|^occasionally$|^never$", Pattern.CASE_INSENSITIVE);
22          Matcher m1a = p1.matcher(friendFrequency);
23          Matcher m2a = p1.matcher(swimFrequency);
24          Matcher m3a = p1.matcher(friendOutingFrequency);
25
26          Pattern p2 = Pattern.compile("[^a-z ]", Pattern.CASE_INSENSITIVE);
27          Matcher m1b = p2.matcher(friendFrequency);
28          Matcher m2b = p2.matcher(swimFrequency);
29          Matcher m3b = p2.matcher(friendOutingFrequency);
30
31          try {
32
33              if ((!m1a.find() || !m2a.find() || !m3a.find())) {
34                  throw new Exception();
35              }
36
```

Package Explorer tree:
- Calculate Average Witholding
- Capture Grade Statistics Using For-loop
- Car Data and MPG
- Get Weekly Temperatures
- HelloWorld
- Method with Scanner Input
  - JRE System Library [JavaSE-17]
  - src
    - (default package)
      - scannerInputMethod.java
- Name and Address

Outline
- scannerInputMethod
  - stringInput(Scanner) : String
  - main(String[]) : void

Problems   @ **Javadoc**   **Declaration**   **Console**

<terminated> scannerInputMethod [Java Application] C:\Users\Jinyume\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Mar 27, 2022, 2:46:49 PM – 2:46:55 PM)

```
You will be asked three questions. Please respond with either 'often', 'occasionally', or 'never'.

How often do you see your friends?
occasionally
Do your friends swim a lot?
often
Do your friends ever take you swimming?
never

According to your answers, you said:
You occasionally see your friends.
Your friends often go swimming.
And your friends never take you swimming.

Success
```