

## Assignments on String

1. Using features of Java 11, read the data from a text file (**File name:** StudentList.txt). Calculate the count of students and print the names as well as the total count of students on the screen. (If any line in file doesn't contain a name, for such a record blank space should not be printed in the output)

Hint: Use java 11 features of files and String methods to reduce the lines of code to be written.

2. Write a program with menu to accept the price of certain items and display their total. When user selects Option 1: should accept the prices of different products and insert these prices into first file (each amount to be inserted in a newline in the file). Next, total of these values should be saved in a new file. Option 2: should allow the user to view the total of these prices from the second file.

### Sample Output:

```
Select your option (1: Insert New Price, 2: View Purchase Total, 3: Exit)
> 1
> Insert 1st price:
> 100
> Price has been saved to the file
> Do you want to enter price for more items? (Yes/No)
> Yes
> Insert 2nd price:
> 200
> Price has been saved to the file
> Do you want to enter price for more items? (Yes/No)
> No
> Select your option (1: Insert New Price, 2: View Purchase Total, 3: Exit)
> 2
> Total Price of all items is: 300
> Select your option (1: Insert New Price, 2: View Purchase Total, 3: Exit)
> 3
exit program....
```

Hint: Use java 11 features of files and String methods to reduce the line of code.

3. Write a code using HttpClient API which sends a `GET` request to `https://httpbin.org/get`, and print out the response header, status code, and body for the given URL.

**Sample output** could be (Note: date and other attribute values may differ in your results):

```
access-control-allow-credentials:[true]
access-control-allow-origin:[*]
connection:[keep-alive]
content-length:[273]
content-type:[application/json]
date:[Fri, 06 Aug 2021 13:07:41 GMT]
server:[unicorn/19.9.0]
200
{
  "args": {},
  "headers": {
    "Content-Length": "0",
    "Host": "httpbin.org",
    "User-Agent": "Java 11 HttpClient Bot",
    "X-Amzn-Trace-Id": "Root=1-610d341d-092dc33f698b192a219426d1"
  },
  "origin": "43.255.221.184",
  "url": "https://httpbin.org/get"
}
```