CS390 Fundamental Programming Practices

Assignment1

1. A. Write your first name in your native alphabet using Unicode UTF-16 encoding. And print it to console along with the "waving hand" emoji. Your String should not contain any emoji or your native language character. Use Unicode code units to print them. If your native language uses English characters, try to write it with a different character. Your output should looks similar to the following sentence.

2.
Hi 👋, my name is "Жава".

B. Print the size of the String you created and explain it in 1 sentence.

Link for Unicode characters:
https://en.wikipedia.org/wiki/List_of_Unicode_characters
Link for Unicode encoding of emojis
https://www.fileformat.info/info/emoji/list.htm

3. Write a program that tells you which data type you should use to store that number. Use MAX_VALUE, MIN_VALUE fields of primitive wrapper classes. Use if-else statement. Use RandomNumbers.java class to generate random numbers between 0 to 2 billion. Simply print to console the name of the preferred data type depending on the random number.

Upload your code to public Github repository and submit your link to github repository by simply pasting it inside the textbox of assignments on Sakai.
Thank you.