***Programming Assignment Lab02A***

Ask the unicorn to enter full name of her ship. (Must be two words only)

Display the length of the ship name.

Display the ship name with the words reversed.



Ask the unicorn to enter a number (integer)

-print the character at that index.

-print the first letter

-print the last letter

Ask the unicorn to enter two numbers between 0 and the last index; print the substring in the chosen range.

Create a unicorn secret code:

First letter of second word + Length of entire ship name + First letter of first word

¼¼§MHello, Unicorn, what is the name of your ship (must have 2 words)?Jolly Roger  
MM§MWow! That ship has 11 letters!  
MM§M First character is: J  
MM§M Last character is: r  
MM§MYour ship name reversed is: Roger Jolly  
¼¼§MEnter a number between 0 and 10: 5  
¼¼§MEnter another number between 5 and 10: 10  
MM§MChosen string is: " Roge"  
MM§MUnicorn secret code is: R77J

Number matches the user input from question above

¼¼§MHello, Unicorn, what is the name of your ship (must have 2 words)?Rainbow Flyer  
MM§MWow! That ship has 13 letters!  
MM§M First character is: R  
MM§M Last character is: r  
MM§MYour ship name reversed is: Flyer Rainbow  
¼¼§MEnter a number between 0 and 12: 0  
¼¼§MEnter another number between 0 and 12: 10  
MM§MChosen string is: "Rainbow Fl"  
MM§MUnicorn secret code is: F91R  


***Programming Assignment Lab02B***

Honey Buns needs to know where the unicorns are hiding. You need to fix the following string into a format that the Honey buns can understand.

String s1 = "Blue Eyes,Fiji-24.6286 N:82.8733 W";

Parse the string into the correct format for Honey Buns. Your program should handle all data in this format.

Blue Eyes is hiding at Fiji  
 Latitude: 24.6286 N  
 Longitude: 82.8733 W

**2nd test case:**

String s1 = "Bonnie Brae,Portugal-38.7000 S:9.1833 E";

Bonnie Brae is hiding at Portugal  
 Latitude: 38.7000 S  
 Longitude: 9.1833 E



***Programming Assignment Lab02C***

Write a program that will generate designated criteria for Unicorns. Use Lab02C.java starter code to produce results shown below:

Today is: Thu Sep 09 15:32:12 CDT 2021  
MM§M\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
MM§MName: Calypso  
MM§M Age: 16 NumCoins: 17.6  
MM§M\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
MM§MName: Rainbow  
MM§M Age: 16 NumCoins: 23.4  
MM§M\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
MM§MName: Daisy  
MM§M Age: 29 NumCoins: 100.2  
MM§M  
MM§M\*\*\*\*\*\*\*\*\*\*\*  
¼¼§MWhat is Calypso's new name? Stormy  
MM§MCalypso's new name is now Stormy  
MM§M  
MM§M\*\*\*\*\*\*\*\*\*\*\*  
MM§MIs Stormy Magical? false  
MM§M\*\*\*\*\*\*\*\*\*\*  
MM§MUnicorn average age is: 20.333333333333332  
MM§MStormy is 16 years old(born in 2005)  
MM§M  
MM§MUnicorn 1 coordinates: (47,69)  
MM§MUnicorn 2 coordinates: (93,29)  
MM§M  
MM§MDistance between Unicorns is: 60.959002616512684  
MM§MDistance rounded to whole number is: 61  
¼¼§MWhat is the value of bitcoin today? 41130  
MM§M  
MM§MTotal Unicorn value in Bitcoins is: 5807555.999999999  
MM§M Unique message here :-)  


