Task 1 - Variables

* Create a variable to store your name
* Print a greeting message using that variable in the format:



Task 2 – Strings

* Ask the user to enter a word
* print the first letter of the word
* Print the last letter of the word
* Print the word in reverse & in uppercase

Task 3 – Loops

* Write a loop that asks the user to enter a number,
* if the number is even, print “Even”!
* if it is odd print “Odd”!

Task 4 – Random Letters

* Use imports for string & random
* Write a script that uses the imports to generate 5 random letters
* Print the results

Task 5 – Random Numbers

* Use imports for string & random
* Write a script that uses the imports to generate 5 random numbers
* Print the results

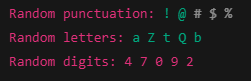
Task 6 – Random Punctuation

* Use imports for string & random
* Write a script that uses the imports to generate 5 random punctuation
* Print the results

Task 7 – Combining Different Random Character Generation

* Imports the string and random modules
* Write a script that generates:
  + 5 random punctuation
  + 5 random letters
  + 5 random numbers

Print each set of generated characters on separate lines



Project – Password Generator

* Write a program that generates a secure password with the following requirements:
  + Minimum length of 15 characters
  + Must include letters, numbers, and special characters
  + Continue generating characters until all requirements are met
  + Print the generated password to the user
* Bonus task:
  + Allow the user to choose how many of each type of character they want the password to contain, for example a maximum of 3 special characters