INTERNSHIP TASKS

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Course : Python

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Day 4: EXERCISE – 4

**#Task 1**

**print("\nTask 1 : Concatenate the String \'Thirty\', \'Days\', \'Of\', \'Python\' to single String");**

**string = "Thirty";**

**string += " Days "+"Of"+" Python";**

**print(string);**

**#Task 2**

**print("\nTask 2 : Concatenate the String \'Coding\', \'For\', \'All\' to single String");**

**string1 = "Coding";**

**string1 += " For" + " All";**

**#Task 3**

**print("\nTask 3 : Declare a variable named company and assign it to an initial value \'Coding For All\'");**

**company = "Coding For All";**

**#Task 4**

**print("\nTask 4 : Print the variable company using print()");**

**print("Company : ", company);**

**#Task 5**

**print("\nTask 5 : Print the length of company string using len() method and print()");**

**print("Length of \'", company , "\' is : ", len(company));**

**#Task 6**

**print("\nTask 6 : Change all the character to uppercase letters.");**

**upperCase\_company = company.upper();**

**print("Company Variable Upper Case : ", upperCase\_company);**

**#Task 7**

**print("\nTask 7 : Change all the characters to lowercase letters.");**

**lowerCase\_company = upperCase\_company.lower();**

**print("Company Variable Lower Case : ", lowerCase\_company);**

**#Task 8**

**print("\nTask 8 : Use capitalize(), title(), swapcase() methods to format the value of the string \'Coding For All\'.");**

**company = "coding for all";**

**print("Actual String : ", company);**

**print("capitalize() : ", company.capitalize());**

**print("title() : ", company.title());**

**print("swapcase() : ", company.swapcase());**

**#Task 9**

**print("\nTask 9 : Cut out the first word of \'Coding For All\'");**

**print("First word : ", company[0:6]);**

**#Task 10**

**print("\nTask 10 : Check if \'Coding For All\' string contains a word \'Coding\' using the string methods.");**

**string = "Coding For All";**

**if(string.find("Coding") != -1):**

**print("Yes! There is a substring \'Coding\' in Coding For All");**

**else:**

**print("No! There is no substring \'Coding\' in Coding For All");**

**#Task 11**

**print("\nTask 11: Replace the word \'Coding\' in the string \'Coding For All\' to \'Python\'");**

**string = string.replace("Coding", "Python");**

**print("Replaced String : ", string);**

**#Task 12**

**print("\nTask 12: Change \'Python For Everyone\' to \'Python For All\' using the replace method or other methods");**

**string = "Python For Everyone"**

**string = string.replace("Everyone", "All");**

**print("Replaced String : ", string);**

**#Task 13**

**print("\nTask 13: Split the string \'Coding For All\' using space as the seperator (split()) ");**

**string = "Coding For All"**

**string\_splited = string.split(" ");**

**print("The Splitted String : ", string\_splited);**

**#Task 14**

**new\_string = "Facebook, Google, Microsoft, Apple, IBM, Oracle, Amazon";**

**print("Task 14: \'Facebook, Google, Microsoft, Apple, IBM, Oracle, Amazon\' split the string at the comma");**

**new\_string\_splited = new\_string.split(",");**

**print("Splited : ", new\_string\_splited);**

**#Task 15**

**print("\nTask 15: What is the character at the index 0 in the string \'Coding For All\'.");**

**print("Character at index 0 is : ", string[0]);**

**#Task 16**

**print("\nTask 16: What is the last index of the string \'Coding For All\'");**

**print("Last index of the string \'", string, "\' : ", (len(string) - 1));**

**#Task 17**

**print("\nTask 17: What character is at index 10 in \"Coding For All\" string");**

**print("Character at index 10: ", string[10]);**

**#Task 18**

**print("\nTask 18: Create an acronym or an abbrevation for the name \'Python For Everyone\' ");**

**string1 = "Python For Everyone";**

**string1\_split = string.split(" ");**

**acronym = string1\_split[0][0] + string1\_split[1][0] + string1\_split[2][0];**

**print("The Acronym for \'Python For All\' : ", acronym);**

**#Task 19**

**print("\nTask 19: Create an acronym or an abbrevation for the name \'Coding For All\'");**

**string2 = "Coding For All";**

**string2\_split = string.split(" ");**

**acronym1 = string2\_split[0][0] + string2\_split[1][0] + string2\_split[2][0];**

**#Task 20**

**print("\nTask 20: Use index() to determine the position of the first occurrence of C in Coding For All");**

**index = string2.index('C');**

**print("The Index of C in first occurance : ", index);**

**#Task 21**

**print("\nTask 21: Use index() to determine the position of the first occurance of F in Coding For All");**

**index1 = string2.index('F');**

**print("The Index of F in second occurance : ", index1);**

**#Task 22**

**print("\nTask 22: Use rfind() to determine the position of the last occurance of l in Coding For All People");**

**index2 = "Coding For All People".rfind('l');**

**print("The last occurance of l : ", index2);**

**#Task 23**

**print("\nTask 23: Use index() or find() to find the position of the first occurrence of the word \'because\' in the following sentence:\n\'You cannot end a sentence with because because because is a conjunction\'");**

**print("The First Occurance : ", ("You cannot end a sentence with because because because is a conjunction").index("because"));**

**#Task 24**

**print("\nTask 24: Use rindex() to find the position of the last occurrence of the word because in the following sentence:\n\'You Cannot end a sentence with because because because is a conjunction\'");**

**print("The last occurrence is at : ", ("You Cannot end a sentence with because because because is a conjunction").rindex('because'));**

**#Task 25**

**print("\nTask 25: Slice out the phrace \'because because because\' in the following sentence:\n\'You Cannot end a sentence with because because because is a conjunction\'");**

**print("Sliced : ", ("You Cannot end a sentence with because because because is a conjunction")[31:55]);**

**#Task 26**

**print("\nTask 26: Find the position of the first occurance of the word \'because\' in the following sentence: \n\'You Cannot end a sentence with because because because is a conjunction\'");**

**print("First Occurance is at : ", ("You Cannot end a sentence with because because because is a conjunction").index('because'));**

**#Task 27 : repeated task - actual task : Task 25**

**#Task 28**

**print("\nTask 28: Does \'Coding For All\' starts with a substring \'Coding\'");**

**print("Is it? : ", ("Coding For All").startswith("Coding"));**

**#Task 29**

**print("\nTask 29: Does \'Coding For All\' ends with a substring \'Coding\'");**

**print("Is it? : ", ("Coding For All").endswith("Coding"));**

**#Task 30**

**print("\nTask 30: \'\tCoding For All \', remove the left and right trailing spaces in the given string");**

**print("Output : \'", (' Coding For All ').strip(), "\'");**

**#Task 31**

**print("\nTask 31: Which one of the following variables return True when we use the method isidentifier()");**

**print("1. 30DaysOfPython : ", ('30DaysOfPython').isidentifier());**

**print("1. thirty\_days\_of\_python : ", ('thirty\_days\_of\_python').isidentifier());**

**#Task 32**

**print("\nTask 32: The Following list contains the names of some of python libraries:\n['Django', 'Flask', 'Bottle', 'Pyramid', 'Falcon'].Join the list with a hash with space string");**

**modules\_list = ['Django', 'Flask', 'Bottle', 'Pyramid', 'Falcon'];**

**joined\_string = '# '.join(modules\_list);**

**print("Output: ",joined\_string);**

**#Task 33**

**print("\nTask 33: Use the new line espace sequence to seperate different sentences");**

**print("Iam enjoying this challenge.\nI just wonder what is next.");**

**#Task 34**

**print("\nTask 34: Use a tab escape sequence to add tabspaces between..");**

**print("Name\t\tAge\tCountry\tCity");**

**print("Asabeneh\t250\tFinland\tHelsinki");**

**#Task 35**

**print("\nTask 35: Use the string formatting method to display the message - more details in 4.Strings.pptx file");**

**string = "{} = {}\n{} = {} \* {} \*\* {}\n{} {} {} {} {}".format("radius", 10, "area", 3.14, "radius", 2, "The area of a circle with radius", 10, "is", 314, "meters square.")**

**print(string);**

**#Task 36**

**print("\nTask 36: Make the following using string formatting methods - more details in 4.Strings.pptx file");**

**print(f"{8} + {6} = {8+6}\n{8} - {6} = {8-6}\n{8} \* {6} = {8\*6}\n{8} / {6} = {8/6:.2f}\n{8} % {6} = {8%6}\n{8} // {6} = {8//6}\n{8} \*\* {6} = {8\*\*6}");**

**Outputs:**







 