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| **Printed Pages:01** | |
| **School of Computing Science and Engineering**  **January 2023, Fall 2022-23**  **[Programme: B.Tech ] [Semester: IV ]** | | | | | | |
| **Course Title: Programming with Python**  **Course Code:** | | |  | | | |
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| **1.** | Find the output of the following:  str = “University”  print(str[:3]) | | | K1 | CO1 | 2 |
| **2.** | Illustrate how strings are created & printed in Python | | | K1 | CO1 | 2 |
| **3.** | Summarize how strings are concatenated & printed in Python | | | K2 | CO1 | 2 |
| **4.** | Design a string containing 10 characters & print its length using an inbuilt function. | | | K2 | CO1 | 2 |
| **5.** | Articulate how upper() & lower() can be used on a string named Message= “ Hello Computer Science & Engineering”. | | | K3 | CO1 | 5 |
| **6.** | Consider the string “I love India” and print it four times. | | | K3 | CO1 | 5 |
| **7.** | Demonstrate using is & is not operators that out of three strings, two of them have the same identity. | | | K3 | CO1 | 5 |
| **8.** | Discover what are the multiline strings in python. Write python code to create and print multiline strings. | | | K3 | CO1 | 5 |
| **9.** | Consider three strings to compare. Using else-if compare then and print the longest string | | | K3 | CO1 | 5 |
| **10** | Consider the string str = “Banglore”, Iterate it using for loop, and print characters vertically. | | | K4 | CO1 | 5 |
| **11** | Consider the str1 = “ Hello Python “ & str2 = “Hello Java”. Apply all comparison operators and print their output. | | | K4 | CO1 | 5 |
| **12** | Consider the following string  Str = “ I am going to market to get household items” Use the find() method with start and end arguments with two examples. | | | K4 | CO1 | 8 |
| **13** | Devise string slicing in python with syntax. Take an example of string and demonstrate different types of slicing with code | | | K4 | CO1 | 8 |
| **14** | Devise the utility of replace() in the python string with a suitable example. | | | K4 | CO1 | 8 |
| **15** | Design a python program to get a string str from the user and print N characters from the left side of the string. Also, take N from the user. | | | K5 | CO1 | 8 |
| **16** | Write the syntax to read a string from the right-hand side. Consider str = “Python is a wonderful Language”. Reverse and print the str from the right-hand side. | | | K5 | CO1 | 8 |
| **17** | Show how the capatulize() method works in python. Take str1 = “ hello how are you “ & str2 = “42 is my lucky number”. Demonstrate the output for both strings. | | | K5 | CO1 | 8 |
| **18** | What is the join() method in python? Consider string a list having (“a”, “b”, “c”) and show the working of method join(). | | | K5 | CO1 | 8 |
| **19** | Discuss the use of the following methods with a sample string:  lstrip()  rstrip()  strip() | | | K6 | CO1 | 10 |
| **20** | Write a Python program to print four values - decimal, octal, hexadecimal (capitalized), and binary of a taken string from the user. | | | K6 | CO1 | 10 |