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| **COMSATS University Islamabad**  **Sahiwal Campus** | | |
| **Department of computer science** | | |
| **FUNCTIONS TASK** | | |
| **Subject:** Programming Fundamentals | **Couse code:** CSC103 | **Due date: \_\_\_\_\_\_** |
| **Instructor:** M. Khurram Nisar | **Class:** \_\_\_\_\_\_\_\_\_ | **Total marks:** 10 |

Note: You need to develop and run these programs of your own. I may conduct viva/quiz to verify if programs are actually written by you. Failure to show understanding of code, copied tasks and code written using AI tools will yield 0 marks.

1. Write a program that inputs an integer and passes it to a function. Then the function calculates the number of digits in that number.
2. Write a function that inputs a decimal number and converts it to Binary Digits.
3. Write a function that inputs a number and displays its reverse.
4. Write a program that inputs two numbers and passes to the function. The function must display the first number raised to power of second number. For example, if user enters 2 and 4, it will display 16.
5. Write a program that inputs a number and then passes it to a function. The function should check if it is a prime number or not.