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| **CS101- Introduction to Computing and Programming**  **Assignment No 3**  **Topic: Functions**    **Submission Deadline: 16-December-2021**     1. All the questions should be completed. 2. Plagiarized work will lead to zero marks or as directed in SOP of institute. 3. Follow the format which is shared with you. 4. Write your code on the IDE and share the code and screenshot of program output. 5. Submit your file as hard copy in office. 6. Your assignment will not be accepted after deadline.     **Write C++ program for the following tasks using functions.**  **Task 1 [10]:**  Write a function named times Ten . The function should have an integer parameter named number. When times Ten is called, it should display the product of number times ten. (Note:  Do not just write the function. Write a complete program.)  **Task 2 [10]:**  Write a function asks the user to enter the radius of the circle and then returns that number as a double. Write another function that takes this radius as input and returns the area of circle. |

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| **Task 3 [10]:**  Write a value returning function that receives three integers and returns the largest of the three. Assume the integers are not equal to one another.    **Task 4 [10]:**  Write a function which converts an uppercase letter 'A'{'Z' to the corresponding lowercase letter. If the parameter is not a letter it must be returned unchanged. Write a main program which calls the function.    **Task 5 [10]:**  Write a program will ask the user to enter the width and length of a rectangle and then display the rectangle’s area. The program calls the following functions:   1. getLength – This function should ask the user to enter the rectangle’s length and then return that value as a double. 2. getWidth – This function should ask the user to enter the rectangle’s width and then return that value as a double . 3. getArea – This function should accept the rectangle’s length and width as arguments and return the rectangle’s area. The area is calculated by multiplying the length by the width. 4. displayData – This function should accept the rectangle’s length, width, and area as arguments and display them in an appropriate message on the screen.       **Good Luck !!!** |